







Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation



1916 - 1917

Pennsylvania College for Women

Pittsburgh

TABLE OF CONTENTS

Admission of Students - - -	16	Physical Education - - -	54
To Advanced Standing - - -	27	Physics - - -	55
To Freshman Class - - -	16	Sociology - - -	56
To Special Courses - - -	27	Spanish - - -	58
Alumnae Association - - -	80	Curriculum Schedule - - -	31
Application for Rooms - - -	71	Degrees conferred in 1915 - - -	72
Attendance on Class Exercises	28	Elective Work - - -	28
Calendar - - -	4	Examinations - - -	29
Certificates Granted in 1915 - - -	73	Faculty - - -	8-9
Conditions - - -	29	Fees - - -	70
Correspondence - - -	71	General Information - - -	11
Courses of Instruction - - -	32-58	Graduate Work - - -	30
Art - - -	16, 48	Inauguration Ceremonies - - -	59
Astronomy - - -	51	Lectures - - -	66
Biblical Literature - - -	32	Legacy Form - - -	81
Biology - - -	32	Music, School of - - -	87
Chemistry - - -	33	Payments - - -	70
Education - - -	36	Religious and Social Life - - -	67
English - - -	37	Reports - - -	30
Expression - - -	40	Requirements for Entrance - - -	16
French - - -	42	Requirements for Graduation - - -	27
German - - -	43	Scholarships - - -	69
Greek - - -	46	Secretarial Course - - -	16
History - - -	47	Social Service, School of - - -	83
Italian - - -	48	Students - - -	74, 102
Latin - - -	49	Student Activities - - -	68
Mathematics - - -	50	Teachers' Registry - - -	71
Music - - -	15, 52	Trustees - - -	6-7
Philosophy - - -	53		

1916

September							October							November							December						
					1	2	1	2	3	4	5	6	7				1	2	3	4	3	4	5	6	7	8	9
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	10	11	12	13	14	15	16
0	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	17	18	19	20	21	22	23
7	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	24	25	26	27	28	29	30
4	25	26	27	28	29	30	29	30	31					26	27	28	29	30			31						

1917

January							February							March							April									
1	2	3	4	5	6					1	2	3					1	2	3					1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10	8	9	10	11	12	13	14			
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21			
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28			
28	29	30	31				25	26	27	28				25	26	27	28	29	30	31	29	30								
May							June							July							August									
		1	2	3	4	5						1	2				1	2	3	4	5	6	7				1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11			
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18			
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25			
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31					26	27	28	29	30	31				
September							October							November							December									
						1																								1
2	3	4	5	6	7	8		1	2	3	4	5	6					1	2	3	2	3	4	5	6	7	8			
9	10	11	12	13	14	15	7	8	9	10	11	12	13	4	5	6	7	8	9	10	9	10	11	12	13	14	15			
16	17	18	19	20	21	22	14	15	16	17	18	19	20	11	12	13	14	15	16	17	16	17	18	19	20	21	22			
23	24	25	26	27	28	29	21	22	23	24	25	26	27	18	19	20	21	22	23	24	23	24	25	26	27	28	29			
30							28	29	30	31				25	26	27	28	29	30		30	31								

CALENDAR

1916

- 19 September, Tuesday - - - Entrance Examinations
- 19 September, Tuesday - First Semester begins—enrollment
- 20 September, Wednesday - - - Recitations begin
- 30 November, Thursday - - Thanksgiving Vacation begins
- 4 December, Monday, 8:30 A. M. - - College opens
- 22 December, Friday, 4:30 P. M. - Christmas Vacation begins

1917

- 8 January, Monday, 6 P. M. - - - College opens
- 29 January, Monday - - Mid-year Examinations begin
- 7 February, Wednesday - - - Second Semester begins
- 22 February, Thursday - - - Washington's Birthday
- 23 March, Friday, 4:30 P. M. - Spring Vacation begins
- 2 April, Monday, 6 P. M. - - - - College opens
- 19 May, Saturday - - - - - May Day Fete
- 30 May, Wednesday - - - - Decoration Day
- 31 May, Thursday - - - Final Examinations begin
- 8 June, Friday, 3 P. M. - - - - Alumnae Meeting
- 9 June, Saturday, 8:15 P. M. - - - - Class Day
- 10 June, Sunday, 11 A. M.

Baccalaureate Sermon, Third Presbyterian Church
- 11 June, Monday, 8:15 P. M.

Commencement and President's Reception

BOARD OF TRUSTEES

Term Expires in 1916

JOHN C. ACHESON, LL.D.	OLIVER MCCLINTOCK
REV. JOHN K. MCCLURKIN, D.D.	DAVID MCK. LLOYD
MRS. JOHN I. NEVIN	

Term Expires in 1917

REV. WILLIAM L. MCEWAN, D.D.	MRS. CHARLES H. SPENCER
WILLIAM H. REA	D. M. CLEMSON
LEE S. SMITH	

Term Expires in 1918

JACOB J. MILLER	*WILLIAM N. FREW
JOHN B. FINLEY	JAMES C. GRAY
W. W. BLACKBURN	MRS. WILLIAM S. MILLER

OFFICERS OF THE BOARD

OLIVER MCCLINTOCK	President
JOHN B. FINLEY	Vice-President
WILLIAM H. REA	Secretary
DAVID MCK. LLOYD	Treasurer

*Deceased October 28, 1915.

ORGANIZATION OF THE BOARD OF TRUSTEES

Executive Committee

WILLIAM H. REA JOHN B. FINLEY W. W. BLACKBURN
JOHN C. ACHESON, LL.D.

Finance Committee

JOHN B. FINLEY DAVID MCK. LLOYD HON. JACOB J. MILLER
LEE S. SMITH W. W. BLACKBURN

Committee on Faculty and Studies

REV. JOHN K. MCCLURKIN, D.D. MRS. CHARLES H. SPENCER
MRS. WILLIAM S. MILLER REV. WILLIAM L. MCEWAN, D.D.
JOHN C. ACHESON, LL.D.

Committee on House Visitation

MRS. CHARLES H. SPENCER MRS. JOHN I. NEVIN
MRS. WILLIAM S. MILLER

Auditing Committee

LEE S. SMITH JOHN B. FINLEY
REV. WILLIAM L. MCEWAN, D.D.

FACULTY

JOHN C. ACHESON, LL.D., PRESIDENT

CORA HELEN COOLIDGE, M.A., DEAN
Education

MARY W. BROWNSON, M.A.
History and Biblical Literature

GEORGE W. PUTNAM, M.A.
English

VANDA E. KERST
Expression

LUELLA P. MELOY, M.A.
Sociology and Economics

T. CARL WHITMER, Director of Music
Piano, Organ, and Composition

ALICE DACRE BUTTERFIELD, M.A.
Chemistry and Biology

VIOLET LOUISE HOLCOMB, M.A.
Philosophy and Physics

CHARLES E. MAYHEW
Singing

ELIZABETH B. WHITE, B.A.
History

HELEN F. RANDOLPH
German and Italian

EDITH G. ELY, B.A.
French

HELEN ABBOTT
Physical Training

FACULTY

LETITIA BENNETT, B.L.
Mathematics

MAE B. MACKENZIE
Piano

LAURA CAROLINE GREEN, M.A.
Latin and Greek

JANE BEARDWOOD, B.A.
German

ISABEL McCOLLUM ROOP, B.A.
Rhetoric and Expression

SAMUEL J. FISHER, D.D.
Logic

In order of appointment

EXECUTIVE OFFICERS

GEORGIA PROCTOR, B.A.
Librarian

MARGARET ANN STUART
Secretary to the President

MABEL N. LLEWELYN
Assistant to the Secretary

MARY HELEN MARKS, B.A.
Field Secretary

ELLA MOORE MARSHALL
Resident Nurse

MRS. SARAH L. DRAIS
House Director

MRS. ELIZABETH A. ROWE
House Director for Woodland Hall

FACULTY ORGANIZATION

President
DR. ACHESON

Dean
MISS COOLIDGE

Secretary
MR. PUTNAM

COMMITTEES:

1. CABINET, Chairman, Dr. Acheson.
2. CURRICULUM, Chairman, Miss Coolidge.
3. CLASSIFICATION, Chairman, Miss Meloy.
4. SCHOLARSHIP, Chairman, Miss Holcomb.
5. DOCUMENTS, Chairman, Miss White.
6. LIBRARY, Chairman, Miss Brownson.
7. PUBLIC OCCASIONS, Chairman, Miss Coolidge.
8. DORMITORY LIFE, Chairman, Miss Coolidge.

GENERAL INFORMATION

HISTORICAL STATEMENT

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania of an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shady-side. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active coöperation of many interested friends; and its charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892 and connected with a Music Hall in 1897. Woodland Hall was opened as a College House in September, 1909.

LOCATION

The College is situated in the East End of Pittsburgh, in the midst of the best residence section of the city. The campus is a finely shaded tract of land embracing a hill slope and its crest on which the buildings stand. The campus owned by the College is part of a tract of land many times as large, containing the homes of a few families of wealth. Inasmuch as the entrance to this tract is by a private road, the College is practically located in a large, private park, thus securing an abundance of space and air, a wide view and fine opportunities for outdoor games, combined with a delightful and wholesome seclusion not easy to command in a great city.

Not least among the benefits conferred upon the College by its position in the heart of Pittsburgh is its nearness to the Carnegie Institute. Here are found a splendid library, containing 422,200 volumes; a museum, rich in material for the study of zoölogy, paleontology and ethnography; an art gallery, which maintains a valuable permanent collection of paintings, and exhibits each year work of the best living artists in Europe and America; halls of architecture and sculpture, which make possible at home the acquirement of an intellectual training obtainable under ordinary circumstances only by means of extensive travel in foreign lands.

Hamilton Ave. and Highland Park electric cars running out Fifth Avenue from the downtown district will carry passengers very near the campus entrances on Murray Hill Avenue and on Woodland Road; and cabs may be taken at the railway stations which will convey travelers to the College. Baggage entering the city by the Pennsylvania lines should be checked to the East Liberty Station.

BUILDINGS

The main buildings of the College are so connected that practically no exposure to the weather is involved in passing from one to another. They are so disposed as to receive the sunshine on all sides in the course of the day. All the buildings are heated by steam and lighted with gas.

BERRY HALL is four stories in height. On its lower floors are the library, drawing rooms, class rooms, and the offices of the President and the Dean. On its upper floors are living rooms for faculty members and resident students.

MUSIC HALL has a spacious gymnasium on the first floor, and on the second, music studios and practise rooms.

DILWORTH HALL is devoted to academic uses. In it are the Assembly Hall, lecture rooms and laboratories.

WOODLAND HALL, a residence house, was opened in the autumn of 1909. It is a four-story building containing a large reception hall, parlors, dining and service rooms, an infirmary and living accommodations for sixty students. It is constructed after the most approved plans for college dormitories and has been found a commodious and very attractive home.

LIBRARIES

THE COLLEGE LIBRARY, housed in Berry Hall, contains over five thousand volumes. Students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. A thorough reorganization has augmented the working value of the books already on the shelves; and the departmental collections are enlarged from time to time by gifts from the Alumnæ and friends, or by the appropriation of funds. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an Alumna of the College, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; and as this fund increases, its interest becomes available for the purchase of important books.

THE CARNEGIE LIBRARY OF PITTSBURGH. The facilities of this immense library are at the disposal of the Pennsylvania College for Women, for not only is it near enough for personal consultation, but through the courtesy of the authorities of the Carnegie Library a loan department has been established at the College. This permits the use upon an extensive scale of outside reading in connection with all branches of assigned work.

READING ROOM

Adjacent to the College Library is a well-lighted and attractive reading room, supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

LABORATORIES AND MUSEUMS

The Science Department is located on the third floor of Dilworth Hall and is provided with lecture rooms and with physical, chemical and biological laboratories, supplied with all modern apparatus necessary for the pursuit of the courses offered. The physics laboratory is provided with apparatus for undergraduate work in mechanics, sound, heat, light, electricity and magnetism. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the chemical laboratory is a stock room situated in the basement of Dilworth Hall from which duty free apparatus is loaned to students for use in the laboratory. While no attempt is made to maintain a museum, students have access to a good collection of minerals. Mounted skeletons illustrating the comparative osteology of typical vertebrates, preserved and mounted zoölogical forms, charts and microscopical mounts supplement the laboratory equipment in Biology.

In addition to the College equipment students have access to the abundant facilities of Carnegie Museum, among which are a valuable herbarium, paleontological specimens and a collection of over 50,000 birds, besides the large Science Library.

HEALTH AND PHYSICAL TRAINING

The health of students is made a chief object of attention. Physical examinations are required of each student upon entrance,

and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the College and has charge of all cases of illness except a protracted or serious case demanding a private nurse. This nurse watches also to prevent small illnesses on the part of students as far as possible. Parents may be assured that their daughters who live at the College will receive careful and sympathetic personal attention. The infirmary in the dormitory is well equipped for the care and comfort of the sick.

The Department of Physical Training in its required and elective courses offers to students of the College opportunities for intelligent exercise and the aesthetic development of the body. All resident students are expected to take daily outdoor exercise.

The regulation gymnasium suit consists of black bloomers, white jumpers, and gymnasium shoes. This suit may be ordered through the Director at a cost of about seven dollars. The dancing skirt and slippers used in aesthetic dancing may be procured through the Director.

The College Athletic Association controls all athletics, including tennis, field hockey, basket ball and swimming. Satisfactory arrangements for swimming have been made at the Central Young Women's Christian Association.

MUSIC

The College recognizes the place of music in higher education and in its School of Music provides ample facilities for those who wish to pursue this study in connection with other college work. Twelve hours of music may receive academic credit, eight of which must be in theoretical courses. Attention is called to the announcement of the School of Music on pages 87-101 of this catalogue.

Courses in the history and theory of music are counted toward the baccalaureate degree. Practice courses may be counted if combined with a proper amount of history and theory.

SECRETARIAL COURSE

Statistics from Vocational Bureaus show that next to the profession of teaching, college graduates are desiring to take up the work of private secretary. The four qualities demanded are: first, character, second, personality, third, general education, and fourth, technical training. The college has arranged to give an opportunity for this technical training to Juniors and Seniors who have decided to take up secretarial work. This work will not receive college credit, but there will be given at the college in the summer vacation an opportunity for students who are ambitious and earnest, to receive the proper instruction.

Information may be obtained from the President or Dean.

ART

A well known local artist, Miss Anna Craig, has a studio in the main building and students desiring work in illustrating, painting, sketching and design can make arrangements with Miss Craig at moderate prices.

ROUTINE OF ADMISSION

Registration blanks are provided by the College for the use of applicants for admission and will be forwarded upon request. These blanks, properly filled and signed, should be in the hands of the college authorities by September 10th. A registration fee of five dollars will be charged for holding a room for a resident student. This will be credited on the first payment, or refunded if notification of withdrawal is sent before August 25th.

All applicants for admission must present satisfactory testimonial of good moral character. Those who come from other colleges must bring certificates of honorable dismissal.

METHODS OF ADMISSION TO THE FRESHMAN CLASS

Admission is by one of the following methods:

a. EXAMINATION. Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examinations at the College.

b. **CERTIFICATE FROM ACCREDITED SCHOOLS.** Instead of examination, certificates from High Schools and Academies whose work has been approved by the College and whose courses prepare for the Freshman class will be accepted. Blank forms of such certificates will be furnished instructors on application to the President or Dean, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the President or Dean during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, equivalents, stated in detail, must be offered. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS

Fifteen units are required for admission to the freshman class. Of these fifteen units, three must be in English, three in mathematics, one in history, four in Latin and two in some language other than English or Latin. The remaining two units are elective.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work.

EXPLANATION OF REQUIREMENTS FOR ADMISSION

ENGLISH

Three units required.

Preparation should include the following subjects:

a. **COMPOSITION.** Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them in the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose

paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

b. LITERATURE. The books recommended are those listed in the Uniform College Entrance requirements in English, but other similar books will be accepted as equivalents. Candidates will be required to write one or more paragraphs on each of several subjects, chosen from a considerably larger number, given in the examination paper. The questions on all the books assume a knowledge of subject-matter and structure, some acquaintance with the lives of the authors and with the period in which they lived, but those on books prescribed for study and practice call for more detailed treatment than those on books prescribed for reading and practice.

(1.) Books prescribed for reading and practice for students entering in 1916-1919 are:

Group I. (Two to be selected). *The Old Testament*, including the most important narrative parts of *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; the *Odyssey*, with the omission of Books I-V, XV-XVII; the *Iliad*, with the omission of the Books XI, XIII-XV, XXI; Virgil's *Aeneid*. English translations of the *Odyssey*, the *Iliad*, and the *Aeneid*, of acknowledged literary merit, must be used.

Additional units from Groups II-V may be substituted for the two units of this group.

GROUP II—SHAKESPEARE

<i>Midsummer Night's Dream,</i>	<i>Richard II,</i>	} If not chosen for study under B.
<i>Merchant of Venice,</i>	<i>Richard III,</i>	
<i>As You Like It,</i>	<i>Henry V,</i>	
<i>Twelfth Night,</i>	<i>Coriolanus,</i>	
<i>The Tempest,</i>	<i>Julius Caesar,</i>	
<i>Romeo and Juliet,</i>	<i>Macbeth,</i>	
<i>King John,</i>	<i>Hamlet.</i>	

GROUP III—PROSE FICTION

- Malory: *Morte d' Arthur* (about 100 pages).
Bunyan: *Pilgrim's Progress, Part I*.
Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag).
Defoe: *Robinson Crusoe, Part I*.
Goldsmith: *Vicar of Wakefield*.
Frances Burney: *Evelina*.
Scott's Novels: any *one*.
Jane Austen's Novels: any *one*.
Maria Edgeworth: *Castle Rackrent, or The Absentee*.
Dickens' Novels: any *one*.
Thackeray's Novels: any *one*.
George Eliot's Novels: any *one*.
Mrs. Gaskell: *Cranford*.
Kingsley: *Westward Ho! or Hereward, the Wake*.
Reade: *The Cloister and the Hearth*.
Blackmore: *Lorna Doone*.
Hughes: *Tom Brown's Schooldays*.
Stevenson's *Treasure Island, or Kidnapped, or Master of Ballantrae*.
Cooper's Novels: any *one*.
Poe: *Selected Tales*.
Hawthorne: *The House of the Seven Gables, or Twice Told Tales, or Mosses from an Old Manse*.
A collection of *Short Stories* by various standard writers.

GROUP IV—ESSAYS, BIOGRAPHY, ETC.

- Addison and Steele: *The Sir Roger de Coverley Papers, or Selections from the Tatler and Spectator* (about 200 pages).
Boswell: Selections from the *Life of Johnson* (about 200 pages).
Franklin: *Autobiography*.
Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*.
Southey: *Life of Nelson*.
Lamb: Selections from the *Essays of Elia* (about 100 pages).
Lockhart: Selections from the *Life of Scott* (200 pages).
Thackeray: *Lectures on Swift, Addison and Steele in the English Humorists*.
Macaulay: Any *one*: *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d' Arblay*.
Trevelyan: Selections from the *Life of Macaulay* (200 pages).

Ruskin: *Sesame and Lilies*, or Selections (150 pages).

Dana: *Two Years Before the Mast*.

Lincoln: Selections, including the two *Inaugural Addresses*, the *Speeches in Independence Hall* and at *Gettysburg*, the *Last Public Address*, *The Letter to Horace Greeley*, together with a brief memoir of *Lincoln*.

Parkman: *The Oregon Trail*.

Lowell: *Selected Essays* (150 pages).

Holmes: *Autocrat of the Breakfast Table*.

Stevenson: *An Inland Voyage and Travels with a Donkey*.

Huxley: Autobiography and Selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*.

A Collection of Essays by Bacon, Lamb, De Quincey, Hazlett, Emerson and later writers. A collection of *Letters* by various standard writers.

GROUP V—POETRY

Palgrave's *Golden Treasury* (First Series).

Books II and III. with special attention to Dryden, Collins, Gray, Cowper and Burns.

Palgrave's *Golden Treasury*, (First Series). Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen under B).

Goldsmith: *The Traveller* and *The Deserted Village*.

Pope: *The Rape of the Lock*.

A collection of English and Scottish *Ballads*, as, for example, some *Robin Hood* ballads, the *Battle of Otterburn*, *King Estmere*, *Young Beicham*, *Berwick and Grahame*, *Sir Patrick Spens*, and later ballads.

Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*.

Byron: *Childe Harold*, Cantos III and IV, and the *Prisoner of Chillon*.

Scott: *The Lady of the Lake*, or *Marmion*.

Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*.

Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*.

Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French*

Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus"—, Instans Tyrannus.
Arnold: *Sohrab and Rustum*, and *The Forsaken Merman*.
Selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow, and Whittier.

B. STUDY AND PRACTICE

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I—DRAMA

Shakespeare: *Julius Caesar*, or *Macbeth*, or *Hamlet*. L

GROUP II—POETRY

Milton: *L'Allegro, Il Penseroso*, and either *Comus* or *Lycidas*.
Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*.
The selections from Wordsworth, Keats, and Shelley in *Book IV* of Palgrave's *Golden Treasury (First Series)*.

GROUP III—ORATORY

Burke: *Speech on Conciliation with America*.
Macaulay's *Two Speeches on Copyright*, and Lincoln's *Speech at Cooper Union*.
Washington's *Farewell Address* and Webster's *First Bunker Hill Oration*.

GROUP IV—ESSAYS

Carlyle: *Essay on Burns*, with a selection from Burns's *Poems*.
Macaulay: *Life of Johnson*.
Emerson: *Essay on Manners*.

MATHEMATICS

Three units required.

a. ALGEBRA THROUGH QUADRATICS. The four fundamental operations for rational algebraic expressions, factoring, determination of highest common factor and lowest common multiple by factoring. Fractions, including complex fractions, ratio and proportion. Linear equations, numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. Radicals, including the extraction of the square root of polynomials and of numbers. Exponents, including fractional and negative.

Quadratic equations, both numerical and literal. Equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations. Graphs. Problems depending on quadratic equations. The binomial theorem for positive integral exponents. Arithmetical and geometrical progressions.

b. PLANE GEOMETRY. The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; circles and the measurements of angles; similar polygons; areas; regular polygons and the measurements of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

HISTORY

One unit required.

a. ANCIENT HISTORY. With emphasis upon Greek and Roman History but including an introductory study of earlier nations and a survey of important events in the Mediaeval period to 800 A. D.

b. MEDIAEVAL AND MODERN HISTORY. With emphasis upon the Renaissance movement, and the constitutional and social development of modern nations.

c. ENGLISH HISTORY. With emphasis upon social and political factors of national development.

d. AMERICAN HISTORY. With an outline study of Civil Government.

It is assumed that any subject offered for entrance credit represents a full unit in value,—that is, five class exercises a week for one year. A text-book of not less than five hundred pages should have been used, supplemented by an equal amount of collateral reading, constant reference to maps, and the preparation of written or verbal reports upon assigned topics.

LATIN

One unit required.

a. GRAMMAR AND ELEMENTARY PROSE COMPOSITION. A thorough knowledge of all regular inflections, all common irregular forms, the fundamentals of syntax, and a select vocabulary.

b. CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or *Nepos*, *Lives*. The examination consists of translation at sight of narrative prose similar to the above.

c. CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters, or from Sallust's Catiline and Jugurtha, except that the orations for the Manilian Law and for Archias are required. The examination consists of translation (together with historical, literary and grammatical questions) of passages taken from the two required orations and of sight translation of passages similar to the above in vocabulary, syntax and range of ideas. The applicant will also be examined in advanced prose composition.

d. VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid* I, II and either IV or VI are required. The examination consists of translation (together with questions on grammar, prosody, literary and historical allusions, and subject-matter) of passages taken from the required books, and of sight translation of passages similar to the above in vocabulary, syntax, and range of ideas.

GREEK

One unit required.

a. GRAMMAR AND COMPOSITION. The topics for examination are similar to those under Latin Grammar and Composition.

b. XENOPHON. *Anabasis*, Books I-IV. The examination will include translation at sight.

c. HOMER. *Iliad*, Books I-III (omitting II, 494-end). The examination will include translation at sight.

GERMAN

a. (1.) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order.

(2.) Reading and translation of not less than 100 pages of easy modern German prose.

(3.) Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read.

b. (1.) Further study of the grammar, particularly of the syntax, uses of modal auxiliaries, subjunctive and infinitive moods.

(2.) Reading and translation of not less than 200 pages of modern stories and plays with a few poems, in addition to the amount already indicated.

(3.) Ability to translate easy English prose into German. This ability may be acquired by constant practice in oral and written reproductions of the contents of the texts read, and by easy exercises in German prose composition.

(4.) Practice in dictation, conversation, memorizing of selected passages.

c. (1.) Further study along the lines already indicated.

(2.) A thorough review of the grammar, accompanied by the use of a good text book in German prose composition.

(3.) Reading and translation of from 300 to 400 pages of more difficult German. It is recommended that half of this amount be selected from simpler works of the classical period.

(4.) Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class.

FRENCH

a. (1.) A knowledge of the fundamental principles of grammar is required. Inflection of nouns, adjectives, the use of all pronouns, conjugation of regular verbs and the common irregular verbs and the elementary rules of word order.

(2.) Reading and translation of not less than 100 pages of easy modern French.

(3.) Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read.

b. (1.) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods.

(2.) Reading and translation of not less than 200 pages of modern stories and plays, with a few poems in addition to the amount already indicated.

(3.) Ability to translate easy English prose into idiomatic French. This ability may be acquired by constant practice in oral and written reproduction of the contents of the texts read, and by easy exercises in French composition. Practice in dictation, conversation, memorizing of selected passages.

c. (1.) Further study along the lines already indicated. A thorough review of the grammar accompanied by the use of a good text book in French prose composition.

(2.) Reading and translation of from 300 to 400 pages of more difficult French, half of which should be selected from the simpler classics.

(3.) Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class.

CHEMISTRY

The study of at least one standard text-book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elementary chemistry.

Laboratory work, comprising at least forty exercises similar to those given in Brownlee's or Newell's *Laboratory Manual* or in the College Entrance Board requirement, recorded in a note book, certified by the teachers to be the original work of the student.

One unit. Four recitations and laboratory work each week for a year.

One half unit. The equivalent of one-half the year's work outlined above.

PHYSICS

The course of instruction in Physics should include:

1. The study of a standard text-book, the equivalent of Milliken and Gale's *First Principles in Physics*, for the purpose of obtaining a connected and comprehensive view of the subject.

2. Instruction by lecture table demonstrations of the practical aspects and applications of the fundamental facts and laws of physics.

3. Laboratory work shown in a note book certified by the instructor to be the original work of the student. Completing of at least thirty experiments chosen to give forceful illustration of these facts and laws and to develop accuracy of observation and clearness of thought.

In time, one unit is equivalent to 4 recitations and 2 hours of laboratory work each week, for one year. One-half unit is equivalent to the same number of periods per week for one half year.

BOTANY

The general principles of anatomy and morphology, physiology and ecology. Two-thirds of the time should be devoted to individual laboratory work recorded by description and diagrammatically accurate drawings.

ADMISSION TO ADVANCED STANDING

Students from other colleges whose entrance requirements are equivalent to those of the Pennsylvania College for Women and which offer equivalent courses of study will be credited with the work they have done in such colleges and admitted to advanced standing without examination. Students who do not come from other colleges, if they desire advanced credit must pass examinations in subjects offered as college work. No student will be accepted to candidacy for the baccalaureate degree after the beginning of the senior year.

ADMISSION AS SPECIAL STUDENTS

Students may receive instruction without becoming candidates for a degree, provided they can meet the requirements for admission to the freshman class, or have pursued other studies which may be accepted as equivalent to the entrance requirements, or have such training along special lines as will warrant their admission to college classes. The college welcomes, as students, persons of mature age and earnest purpose.

All special students are required to consult with the Dean concerning their courses of study and she will arrange their work in consultation with the heads of the departments. Certificates will be given for completed work of this kind. *Special students are permitted to enter only those classes for which their previous training has fitted them.* In general they are subject to the same requirement as to college regulations, number of hours of work and standing in class as regular students, but each application is considered on its merits.

REQUIREMENTS FOR GRADUATION

The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty hours of college work.

The unit of time used in measuring the value of work is a year hour,—that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may by permission of the classification committee carry extra work, not to exceed one hour per week.

The total requirement for the Bachelor's degree is as follows:

English	six hours
Mathematics	three hours
History	three hours
Science	three hours
Philosophy	four hours
Biblical Literature	three hours
Language (other than English)	six hours
Expression	one hour
Elective work	thirty-one hours

ELECTIVE WORK

At the end of the freshman year each student is required to choose a major department in which she will do at least eight hours of work and an allied minor department in which she will do at least six hours of work. Not more than six hours may be elected in a single department in any one semester. The faculty retains the option of forming classes in any elected courses when fewer than six students apply for registration.

ATTENDANCE UPON CLASS EXERCISES

The grade of work done by a student is necessarily affected by irregularity of attendance upon lectures or recitations. Special examinations may be required if the number of absences for any semester shall exceed the limits of moderation.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

EXAMINATIONS

General examinations are held in all subjects at mid-year and at the close of the college year. Partial examinations may be given at the discretion of the instructor. Examinations taken for the removal of conditions, or for the securing of credit for private work are scheduled for the opening day of a semester, but may be appointed for other times under special conditions.

Students failing to present themselves for examinations in course may secure private examinations by permission of the Dean and upon payment of a fee of two dollars. If several examinations are to be taken under one permit, a fee of three dollars shall cover the list.

CONDITIONS

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by doing an assigned amount of supplementary work within time-limits set by the instructor, and if considered necessary, under the direction of a tutor. If the condition is not removed at the expiration of the time-limit, the work of the course will be considered a failure. Failure in a required course must be made good by the repetition of the course at the time when it is next regularly given.

Entrance conditions are ordinarily to be made good within the first year of college attendance. No student can retain her entrance classification if she continues to carry conditions exceeding five year hours.

REPORTS

Reports of the scholarship of students are sent out at the end of each semester to parents or guardians. A student may learn her standing in classes by making application to the Dean at the end of the semester.

GRADUATE WORK

The degree of Master of Arts is conferred upon Bachelors who hold the degree of Arts from this college or from some other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Graduate work may be taken in several of the departments of instruction. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the college authorities that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by resident graduate students are the same as those paid by undergraduates. The charge for a Master's diploma is ten dollars.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English Course D. 3 hours	Bible Course C. 3 hours	Psychology 1½ hours	Ethics 1½ hours
Mathematics Course D. 3 hours	Science 3 hours	Expression 1 hour	Logic 1 hour
Language 3 hours	Language 3 hours	Elective *12½ hours	Elective *12½ hours
History Course D. 3 hours	Elective 6 hours		
Elective 3 hours			
15 hours	15 hours	15 hours	15 hours

*A three hour course in English Literature must be elected in the Sophomore, Junior, or Senior Year.

COURSES OF INSTRUCTION

BIBLICAL LITERATURE

MISS BROWNSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of sophomores. 3 hours through the year.

1. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective, open to juniors and seniors. 2 hours first semester.

2. BIBLICAL ARCHAEOLOGY. Studies of the results of modern exploration in Biblical lands.

Elective, open to juniors and seniors. 2 hours second semester.

BIOLOGY

MISS BUTTERFIELD, MISS HOLCOMB AND ASSISTANTS

1-2. GENERAL BIOLOGY. Two lectures and one recitation per week, supplemented by one laboratory period of two hours. The course has been arranged especially for those who desire a general knowledge of biology as part of a liberal education as well as for those who are preparing for advanced work. Field trips will be taken.

Elective, open to all classes. 3 hours, through the year.

3-4. GENERAL BOTANY. Two lectures and one recitation per week, supplemented by one laboratory period of two hours. This course is designed to give students a personal acquaintance with

plants in the field and laboratory. The structure and development of certain plants are studied from seed germination to fruit formation. Students are trained to recognize the common flowers from their botanical structure and values.

Elective, open to all classes. 3 hours, through the year. Given in alternate years. Will not be offered in 1916-1917.

5. SYSTEMATIC INVERTEBRATE ZOOLOGY. This course consists of lectures and laboratory work on Protozoa, Porifera, Cœlenterata, Vermes, Echinodermata, Mollusca and Arthropoda.

Elective, open to all classes. 3 hours, first semester. Given in alternate years. Will be offered in 1916-1917.

6. VERTEBRATE ZOOLOGY. The student becomes familiar with a series of types of vertebrates, studying the comparative anatomy and progressive modifications of a fish, reptile, frog, bird and mammal.

Elective. Prerequisite: Course 5. 3 hours, second semester. Given in alternate years. Will be offered in 1916-1917.

9. DENDROLOGY. A study of our common trees. The class hour will be spent in out door observation whenever the weather is pleasant.

Elective. 1 hour, first semester.

10. ORNITHOLOGY. Lectures on the habits, homes and coloration of birds. Field trips in the spring.

Elective. 1 hour, second semester.

CHEMISTRY

MISS BUTTERFIELD

LABORATORY ASSISTANT, LORNA D. BURLEIGH

1. GENERAL INORGANIC CHEMISTRY. Lectures and recitations on the history, occurrence, preparation, properties and uses of the more important elements and their compounds. In the laboratory the student prepares and transforms the chief sub-

stances studied. A few simple quantitative experiments are performed. Text-book: Stoddard's *Introduction to General Chemistry*.

3 hours, first semester. Laboratory work, 3 hours weekly.

This course, or course 1-2 in physics, required of students in the freshman or sophomore year.

2. QUALITATIVE ANALYSIS. Lectures, recitations, laboratory work. Ample practice in identifying unknown substances is given. The laboratory manual used is Stoddard's *Qualitative Analysis*.

Elective. Prerequisite: Course 1. 3 hours, second semester.

This course must be taken by those offering Course 1 as required science.

3. (a) ORGANIC CHEMISTRY. Lectures and recitations upon typical organic compounds, their constitution, synthesis, relations, and transformations. Text-books: Remsen, and Perkin and Kipping.

Elective. Prerequisite: Course 1. 2 hours, first semester.

3. (b) ORGANIC CHEMISTRY. Laboratory practice. Simple organic compounds are studied and the synthesis of more complex substances from these is taken up. Attention is given to quantitative results. Text-books used are Orndorff's *Manual of Organic Chemistry* and Gattermann's *Practical Methods of Organic Chemistry*. Students electing Course 3 are urged to take this course if possible.

Elective, 1 or 2 hours, first semester. Prerequisite: Course 2.

4. QUANTITATIVE ANALYSIS. Laboratory work. Lectures on gravimetric and volumetric laboratory methods.

Elective, 2 hours, second semester.

5-6. ADVANCED ORGANIC CHEMISTRY. Lectures on methods. Each student is assigned a problem which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulas are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determination, etc. The course is especially qualified to fit students for independent research and has that end in view.

Elective. Prerequisite: Courses 3, a and b, 4.

7-8. PHYSICAL CHEMISTRY. Lectures and recitations.

Elective. Prerequisite: Courses 1 and 2. 1 hour, through the year.

9. DIETETICS. A study of the essential qualities of foods, their proper combination, their cost and the sources of supply. A brief, non-technical treatment of the fundamental problems of human nutrition, apportionment of the income etc. Designed especially for social service students.

Laboratory work, supplemented by lectures and short recitations.

Elective, open to all classes. 1 hour, first semester, given alternate years.

10. MUNICIPAL AND INDUSTRIAL CHEMISTRY. A study of some of the great industries of Pittsburgh. A practical course for students specializing in Chemistry, and for those who are working for certificates in Social Service. Such subjects as the Pittsburgh Water Supply, the Smoke Problem, Refuse Disposal, Radium Production, Certified Milk, Pure Food Law are taken up in detail. Trips are taken. Pittsburgh offers for this study opportunities unequalled by those of any other city in the world.

Elective. Prerequisite: General Chemistry. With trips, 2 hours, recitations only, 1 hour, second semester, given alternate years.

11-12. **SANITARY CHEMISTRY.** Air, water, and food analysis. A study of the application of chemistry to problems of public health.

Elective. Prerequisite: Courses 3, 4, 7, 8. 2 or 3 hours, through the year.

13-14. **THE TEACHING OF CHEMISTRY.** This course is designed for those intending to teach chemistry, or for those wishing a comprehensive review of general chemistry with practice in handling special apparatus. The student must be able to perform difficult experiments in demonstration, and to take charge of some of the laboratory work in Courses 1 and 2.

Elective, open to seniors, and to others by special permission. 1 or 2 hours, through the year.

EDUCATION

MISS COOLIDGE

1. **HISTORY OF EDUCATION.** The development of educational ideals, institutions and methods, with special reference to modern educational thought and practice.

Elective, open to juniors. 3 hours, second semester. Open to seniors, 3 hours, first semester.

2. **A STUDY OF THE MODERN HIGH SCHOOL.** A practical course in discussion of school activities and consideration of class-room method and management. Opportunity will be given for observation in Dilworth Hall and in selected High Schools.

Elective, open to seniors. 2 hours, second semester.

3-4. By co-operation between the departments of Social Service and Education, advanced students in both departments may have opportunity to study some lines of social work open to educational investigation and of practical value to teachers.

Elective, open to seniors. 1 hour, through the year.

See also courses: History 12, Mathematics 8, Chemistry 13-14, English 19.

The diplomas of students who have taken the two hundred hours of educational work required by the School Code are countersigned by the school authorities. The courses in other departments which may be counted to meet the State requirements are Philosophy, Courses B-1, B-2, A-1; History, Course 12; Mathematics, Course 8; Chemistry, Course 13-14; English 19; Physics 9.

Graduates of the College have state teachers' certificates for Pennsylvania under the School Code. Arrangements have also been made with the New York State Board of Education whereby graduates receive the College Graduates Professional Certificate. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

In addition to the formal courses in this department there are numerous lectures at various times during the year by persons of distinction in educational lines.

ENGLISH

MR. PUTNAM, MISS COOLIDGE, MISS ROOP

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text book. Class room discussions. Individual conferences.

Required of freshmen. 3 hours, through the year.

C-1. ENGLISH COMPOSITION. Designed to supplement English D.

Required of all sophomores who failed to make a grade of 75 in English D.

2 hours, first semester.

1. THE SHORT-STORY. A reading course in the literature of the Short-Story. A study of its nature and development as a separate form. Assigned readings. Criticisms. Discussions.

Elective, open to freshmen and sophomores. 3 hours, first semester.

2. SHAKESPEARE. An intensive study of the idiom, poetry, dramatic structure, and character method of Shakespeare as exemplified in *The Merchant of Venice*, *Macbeth*, and *The Winter's Tale*.

Elective, open to freshmen and sophomores. 3 hours, second semester.

3. CHAUCER. A study of the language and literature of Chaucer. Lectures on his life and times.

Elective, open to sophomores. 3 hours, first semester.

4. WORDSWORTH, TENNYSON AND BROWNING. A study in their contrasted styles and philosophies. Discussions. Reports. Lectures.

Elective, open to sophomores. 3 hours, second semester.

5-6. ARGUMENTATION. An advanced course in exposition, forms of public address, and argumentation.

Elective, open to juniors and seniors. 3 hours, through the year.

7-8. ADVANCED THEMES. A course designed to meet the needs of students specializing in the lyric or in the short story. The work consists of theme writing and personal conferences. The course is limited in numbers and is open only to students showing special ability in English D.

Elective, open to juniors and seniors and to sophomores by special arrangement. 1 hour, first or second semester.

9. AMERICAN LITERATURE. An outline study of the development of American Literature. Lectures. Assigned readings. Re-

ports. At the instructor's option this may be restricted to the chief American poets.

Elective, open to juniors and seniors and to sophomores by special arrangement. 3 hours, first semester. Given in alternate years. Will not be offered in 1916-1917.

10. NINETEENTH CENTURY POETRY. A study of the romantic movement in English poetry from Burns to Kipling. Lectures. Assigned readings. Critical reports.

Elective, open to Juniors, and seniors. 3 hours, second semester. Given in alternate years. Will not be offered in 1916-1917.

11-12. THE NOVEL. A study of the origin and development of prose fiction. Assigned reading of complete masterpieces of the representative novelists from Beowulf to DeMorgan. Reports. Lectures.

Elective, open to juniors and seniors. 3 hours, through the year.

13-14. ANGLO-SAXON. A reading course in the grammar and language of Old English. The first semester is devoted to Anglo-Saxon prose, and the second semester to Beowulf.

Elective, open to juniors and seniors. 3 hours through the year. Given in alternate years. Will not be offered in 1916-1917.

15-16. THE DRAMA. An intensive study of the origin and development of the English drama. Lectures. Readings from the great dramatists.

Elective, open to juniors and seniors. 3 hours, through the year. Given in alternate years. Will be offered in 1916-1917.

17-18. BROWNING. A seminar in the poetry and philosophy of Robert Browning. Lectures. Papers. Discussions.

Elective, open to seniors. 1 hour, through the year.

19. THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. A practical course in methods of presentation of subject matter. Opportunity will be given for observation in Dilworth Hall and in selected High Schools.

Elective, open to seniors. 1 hour, first semester.

EXPRESSION

MISS KERST, MISS ROOP

The aim of this department is to foster in the student a larger appreciation of the truth and beauty of great prose and verse, and at the same time to develop the power of expressing to others the results of such literary work. Expressional study of the best kind cultivates beauty of speech, trains the intellect, educates the emotions and puts the student into full command of the forces of body and mind.

Elective courses are offered for all college classes, and private work may be arranged by consultation with the instructor. Persons not registered for courses in other departments may become special students in Expression.

Students' recitals are occasionally given.

1-2. FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION. Principles of Enunciation. Oral gymnastics for distinct, firm, fluent articulation. Physiology of vocal organs with exercises for developing the voice and improving its quality, also for correct breathing. Selections are analyzed and students are assigned definite work for presentation before the class. One laboratory appointment each month.

Elective, open to freshmen. 1 hour, through the year.

3-4. DEBATE, EXTEMPORANEOUS SPEAKING, INTERPRETATION. A course designed to develop the powers of self-expression, and of recreating and expressing the thoughts of others. One laboratory appointment each month.

Elective, open to freshmen and sophomores. 1 hour, through the year.

5-6. INTERPRETATIVE READING. Shakespeare, Browning, Tennyson.

Elective, open to juniors, and required of those who have not previously taken Expression. 1 hour, through the year.

7-8. ADVANCED TRAINING IN DRAMATICS. The study and presentation of one drama. The cultivation of imagination and dramatic instinct.

Elective, open to seniors. 1 hour, through the year.

9-10. DRAMATIC APPRECIATION. A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays of the different periods in the history of the drama.

Elective, open to all college students. 2 hours, first semester.

11. STORY TELLING. The course is designed for those desiring to do story telling in play ground, children's library, school, settlement, Sunday school and home work. The study of story telling as related to child psychology; the origin and ways of telling stories; telling, classifying, grouping and adapting of stories.

Elective. 1 hour, first semester.

12. ADVANCED COURSE IN STORY TELLING. Collecting of material for the Story Teller. Adapting, dramatizing and writing stories. Students will be required to tell stories before the class and outside of college, in schools, settlements, clubs, churches, etc.

Elective, open to those who have completed course 11. 1 hour, second semester.

REQUIREMENTS FOR CERTIFICATE IN EXPRESSION

1. Seven hours of college work a year for two years, which may be chosen from English, History, Modern Languages, Physical Training, (Courses 5-6, 9-10), Physics (Course 3,) Psychology, Education.

2. Seven hours of work a year in the Department of Expression, for two years, including all the courses offered by the department, and two private lessons per week.

3. The presentation of one public program the first year, and two the second, with the final program at graduation.

FRENCH

MISS ELY

1-2. ELEMENTARY COURSE. Fraser and Squair's Grammar. Reading of short stories in French. Prose Composition. Special attention given to phonetic training and conversation.

Elective, open to freshmen and sophomores who have presented no French at entrance. 3 hours, through the year.

3-4. INTERMEDIATE COURSE. French literature as basis for study. Reading of representative French authors. Advanced grammar and composition. Conversation.

Elective, open to students who have presented one unit of French. 3 hours, through the year.

5-6. FRENCH CLASSICS. Critical study of Racine, Corneille and Molière. Composition, conversation, résumés of all plays read.

Elective. Prerequisite: Course 3-4. 2 hours, through the year.

7-8. THE PRECURSORS OF THE FRENCH ROMANTIC SCHOOL. Lectures on representative authors. Reading selections from Madame de Staël, Madame de Lafayette, Rousseau, Chateaubriand, Lamartine. Composition, conversation.

Elective. Prerequisite: Course 5-6 or its equivalent. 2 hours, through the year.

9-10. ORIGIN AND DEVELOPMENT OF THE FRENCH LANGUAGE. Lectures on the literature of the sixteenth century. Reading of selections from representative authors. Composition, conversation.

Elective. Prerequisite: Course 3-4 or its equivalent. 2 hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English, with special reference to Librarians and students planning similar lines of work.

Elective. 2 hours, through the year.

13-14. CONTEMPORARY LITERATURE. Rapid reading of current fiction and drama with discussion of modern tendencies in literature.

Elective. Prerequisite: Course 5-6 or its equivalent. 2 hours, through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach. 1 hour, through the year.

17-18. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief résumé of its earlier development. Rapid reading course. Composition based upon works read. Topics assigned for reports. Conversation.

Elective. Prerequisite: Course 5-6. 2 hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERY DAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. 1 hour, through the year.

GERMAN

FRAULEIN RANDOLPH, MISS BEARDWOOD

1-2. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective. Open to students who present no German at entrance. 3 hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective. Open to students who present two units of German, or who have taken Course 1-2. 3 hours, through the year.

5-6. GERMAN CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective, open to students who present three units of German, or who have taken Course 3-4. 3 hours, through the year.

7-8. ADVANCED GERMAN COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms and syntax.

Elective. Prerequisite: Courses 5-6, or their equivalents. Especially recommended to those who expect to teach German. 2 hours, through the year.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of special periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite: Course 5-6, or their equivalents, or by permission, to freshmen entering with 3 units of German. 1 hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of the best known authors. Lectures. Essays.

a. The drama. 1 hour, through the year.

b. The novel. 2 hours, through the year.

Elective. Prerequisite: Course 5-6.

13-14. CONTEMPORARY LITERATURE. Rapid reading of current fiction and dramas with discussion of modern tendencies in literature. Lectures. Essays.

Elective. Prerequisite: Course 5-6. 2 hours, through the year.

15-16. LEGENDARY CYCLES OF THE MIDDLE AGES. A brief survey of Germanic mythology, tracing the origin and development of the principal legends. Reading of mediæval epics in modern German translation. Comparative study of the Wagnerian opera texts.

Elective. Prerequisite: Courses 9-10 and 11-12. 2 hours, through the year.

17. LESSING'S LIFE AND WORKS. Study of his critical and controversial writings.

Elective. Prerequisite: Courses 7-8 and 11-12. 2 hours, first semester.

18. SCHILLER'S LIFE AND WORKS. Study of his historical prose, philosophical poems and aesthetic, critical writings.

Elective. Prerequisite: Courses 7-8 and 11-12. 2 hours, second semester.

19. GOETHE'S LIFE AND WORKS. Survey of his life, with special reference to his prose writings.

Elective, open to juniors and seniors. 2 hours, first semester.

20. GOETHE'S FAUST. PARTS I AND II. Development of the Faust legend and the genesis of Goethe's Faust. Methods of Faust interpretation.

Elective, open to juniors and seniors. 2 hours, second semester.

23. HEINE AND THE ROMANTIC SCHOOL. Lectures and readings.

Elective, open to juniors and seniors. 2 hours, first semester.

21-22. COLLOQUIAL GERMAN. Discussions and themes based upon German life, customs and travel.

Elective, open by permission to students electing the advanced courses. 1 hour, through the year.

GREEK

MISS GREEN

1-2. ELEMENTARY COURSE, prose composition, Xenophon's Anabasis, Books 1-2.

Elective, open to all students. 3 hours, through the year.

3-4. XENOPHON'S ANABASIS, BOOKS 3-4, with prose composition. Selections from Homer's Iliad and Odyssey. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the Homeric Epics by use of the text and translations supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. 3 hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, Alcestis, or Medea. Prose composition based upon the prose authors studied.

Elective, open to freshmen entering with three units of Greek and to students who have completed course 3-4. 3 hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing the origin, development and decay.

Elective. Prerequisite: Course 5-6. 2 hours through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. 2 hours, through the year. Given in alternate years.

11-12. GREEK PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. 1 hour through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course, like that of Latin 11-12 is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is, therefore, not required.

Elective for advanced students. 1 hour, through the year.

HISTORY AND POLITICAL SCIENCE

MISS BROWNSON, MISS WHITE

D. HISTORY OF EUROPE FROM THE BARBARIAN INVASIONS TO THE RENAISSANCE. A study of the beginnings of the great nations, and of such topics as feudalism, the crusades, the growth of towns, and the struggles between church and state.

Required of freshmen. 3 hours, through the year.

1-2. HISTORY OF EUROPE FROM THE OPENING OF THE RENAISSANCE TO THE CLOSE OF THE EIGHTEENTH CENTURY. A study of political, intellectual and social progress, emphasizing the characteristic features and results of the Renaissance movement, the Protestant reforms, the wars of religion, the Revolutionary and Napoleonic periods in France.

Elective. 3 hours, through the year.

3-4. THE DEMOCRATIC MOVEMENT IN THE LAST HUNDRED YEARS. This course begins with the Congress of Vienna, and takes up the development of the nations of today. Such subjects are discussed as the rebirth of Italy, the creation of the German Empire, and the rise of the Balkan States.

Elective. Prerequisite: Course 1-2. 3 hours, through the year.

5. AMERICAN CONSTITUTIONAL HISTORY. A study of the constitution of the United States, with special reference to the powers of the federal government and its relations with the governments of the several states.

Elective, open to seniors. 2 hours, first semester. Will not be offered in 1916-1917.

6. AMERICAN DIPLOMATIC HISTORY. A survey of the international relations of the United States, including questions of dispute during the last century between the United States and European countries, relations with Latin America and the Far East, the share of the United States in the Hague Conferences.

Elective. Prerequisite: Course 10. 2 hours, second semester.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding the great questions dealt with by nations to-day.

Elective. 1 hour, through the year.

10. INTERNATIONAL LAW. A course designed to aid students in the understanding and discussion of international relations. It will be conducted by means of a text-book, and library references. The study of some important cases will be undertaken.

Elective. Prerequisite: Course 3-4. 2 hours, first semester.

12. THE TEACHING OF HISTORY. A consideration of the use of historical material, the criticism of text-books, and the methods of teaching history in elementary and secondary schools. Opportunity will be given for observation work in city schools.

Elective, open to seniors. 1 hour, second semester.

13-14. HISTORY OF ART. This course includes a study of the development of Architecture, Sculpture and Painting. Its aim is to cultivate the judgment and enlarge the horizon of the student.

Elective. 2 hours, through the year.

ITALIAN

FRAULEIN RANDOLPH

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. 3 hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern Italian prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1. 3 hours, through the year.

LATIN

MISS GREEN

1-2. LIVY. Selections from Books I, XXI, XXII. CICERO, De Senectute, or De Amicitia. Horace, Odes and Epodes. Composition work based upon the prose writers studied.

Elective, open to freshmen. 3 hours, through the year.

3-4. LATIN COMEDY, PLAYS OF PLAUTUS AND TERENCE. HORACE, Satires and Epistles.

Elective. Prerequisite: Course 1-2. 2 hours, through the year.

5-6. PLINY, Letters. Juvenal, Satires. Tacitus, Agricola and selections from the Annals bearing directly upon the character of the Emperor Tiberius. Studies in Roman Society under the early Empire.

Elective, open to juniors and seniors. 2 hours, through the year. Given in alternate years.

7-8. LYRIC AND ELEGIAC POETRY. Catullus, Tibullus, Propertius. An introduction to the study of Roman philosophy based on Lucretius, De Rerum Natura.

Elective, open to juniors and seniors. 2 hours, through the years. Given in alternate years.

9-10. ADVANCED PROSE COMPOSITION.

Elective, open to juniors and seniors. 1 hour, through the year.

11-12. HISTORY OF LATIN LITERATURE. The subject is presented by means of lectures, assigned topics and the use of translations.

Elective, open to juniors and seniors of the Latin department and other advanced students of literature. A knowledge of the Latin language is not required. 1 hour, through the year.

13-14. PRIVATE LIFE OF THE ROMANS. Topography and Monuments of Rome.

Elective, open to all students. 1 hour, through the year.

MATHEMATICS

MISS BENNETT

D-1. SOLID GEOMETRY. Theorems and constructions as given in Durell's *Solid Geometry*. Solution of numerous original exercises, including loci problems. Application to the mensuration of surfaces and solids.

Required of freshmen. 3 hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY. Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles. Proofs of principal formulas, in particular for the sine, cosine and tangent of the sum and difference of two angles, of the double angle and the half angle, the product expressions for the sum or the difference of two sines or of two cosines; the transformation of trigonometric expressions by means of these formulas. Solution of trigonometric equations. Theory and use of logarithms. Solution of right, oblique and spherical triangles and practical applications.

Required of freshmen. 3 hours, second semester.

1. HIGHER ALGEBRA. Brief general review. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants, including the solution of linear equations. Binomial theorem, with proof. Numerical equations of higher degree and the theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Students intending to pursue the course in higher mathematics are required to elect this course. 3 hours, first semester.

2. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential to a thorough understanding of elementary mathematics. It treats of the development of mathematics from the earliest known times to the invention of analytic geometry by Descartes in 1637. The subjects considered are number systems, numerals, arithmetic, algebra and geometry.

Elective. 2 hours, second semester.

3-4. ANALYTIC GEOMETRY, PLANE AND SOLID.

Elective. 3 hours, through the year.

5-6. DIFFERENTIAL AND INTEGRAL CALCULUS.

Elective. Prerequisite: Course 3-4. 3 hours, through the year.

7. HISTORY OF HIGHER MATHEMATICS.

Elective. Prerequisite: Course 5-6, or may be taken parallel with Course 5-6. 2 hours, first semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS. This course is intended for those who wish to teach mathematics in High Schools. Instruction is given in the explanation of Mathematical processes to elementary classes. Opportunity is afforded to observe teaching in the city High Schools.

Elective. 2 hours, second semester.

9. ASTRONOMY. Descriptive and historical. The Celestial Sphere. The Solar System. The Stellar System. Location of principal constellations.

The College owns a $4\frac{1}{2}$ inch refracting telescope, which is at the disposal of the student for observing the sun, moon, stars and nebulae.

Elective. 2 hours, second semester.

MUSIC

MR. WHITMER

1-2. HARMONY. Study of chords in both modes. Ear training, analysis, harmonization. Immediate application of knowledge to composition of pieces in simple forms.

Elective. 2 hours, through the year.

3-4. HARMONY. A course embracing all theoretical factors fundamental to chord structure, (keys, scales, rhythm, etc). Study of chords in both modes. Ear training, analysis, harmonization. Composition in simple forms.

Elective. 1 hour, through the year.

5-6. COUNTERPOINT AND COMPOSITION. Early and modern contrapuntal methods contrasted. Detailed study of melodic and rhythmic construction, with practical application to composition.

Elective. Prerequisite: Course 1-2. 2 hours, through the year.

7-8 DOUBLE COUNTERPOINT, CANON AND FUGUE. Analysis and composition.

Elective. Prerequisite: Courses 1-2 and 3-4. 1 hour, through the year.

9-10. MUSICAL FORMS AND FREE COMPOSITION. Analysis of both normal and radical musical formations with immediate practice. Development of freedom in use of material.

Elective. Prerequisite: Course 5-6. 1 hour, through the year.

11-12. ORCHESTRATION. Detailed theoretical and practical study of orchestral instruments, their individual characteristics and their relation to the score. Score reading.

Elective. Prerequisite: Courses 5-6 and 7-8. 1 hour, through the year.

12-14. HISTORY OF MUSIC. Study of the great works, composers and virtuosi. Development of notation. Comparative study of musical periods.

Elective. Open to students who have taken or are taking Course 1-2. 2 hours, through the year.

15-16. HISTORY OF MUSIC. Advanced course. Research work on special topics adapted to personal requirements. American music receives special emphasis.

Elective. Prerequisite: Course 13-14. 1 hour, through the year. 2 hours, through the year.

17-18. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs are given in connection with the lectures.

Elective. Open to all students. 1 hour, through the year.

The College believes in the cultural power of music and in its value in the higher education of women. It expects to enlarge the courses and to keep music on the high intellectual plane which is increasingly accorded to it by colleges.

Courses in the history and theory of music are counted toward the baccalaureate degree. Practice courses may be so counted if combined with a proper amount of history and theory.

Information concerning courses in all departments of music may be found on pages 91-101.

PHILOSOPHY

MISS HOLCOMB, DR. FISHER

B-1. PSYCHOLOGY. A study of the laws and the phenomena of the mind.

Required of juniors. 3 hours, first semester.

B-2. LOGIC. A study of the principles of inductive and deductive reasoning, and of the relation of logical theory to scientific and philosophic thought.

Required of juniors. 2 hours, second semester.

A-1. ETHICS. The history of ethical philosophy, and a study of the fundamental principles of morality.

Required of seniors. 3 hours, first semester.

2. INTRODUCTION TO PHILOSOPHY. A brief survey of the scope and the problems of Philosophy, with a general outline of its history.

Lectures, discussions, collateral readings.

Elective. 2 hours, second semester.

4. CHRISTIAN EVIDENCES. An outline of the grounds upon which the Christian system rests.

Elective, open to sophomores, juniors and seniors. 2 hours, second semester.

PHYSICAL EDUCATION

MISS ABBOTT

1-2. GYMNASTICS. Marching; free hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of freshmen. 1 hour, through the year.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2 with advanced work along the same lines.

Required of sophomores. 1 hour, through the year.

5-6. AESTHETIC DANCING. Dancing technique and simple aesthetic dances, including folk dancing.

Elective, open to juniors, seniors and special students. 1 hour, through the year.

7-8. ADVANCED AESTHETIC DANCING.

A continuation of course 5-6 with advanced work. A study of the interpretation of music through dancing.

Original work required. The dancing skirt will be worn in this class.

This course will be given if elected by twelve students.

Elective, open to juniors, seniors and special students who have taken course 5-6 or its equivalent. 1 hour, through the year.

9-10. PLAYS AND GAMES. A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized, and the student is required to teach the class.

Elective, open to all students. 1 hour, through the year.

11-12. HYGIENE. Lectures on personal and general hygiene. This course includes a general study in physiology and anatomy and a short course in First Aid to the Injured.

Elective, open to all students. 1 hour, through the year.

PHYSICS

MISS HOLCOMB

AND LABORATORY ASSISTANTS

1-2. GENERAL EXPERIMENTAL PHYSICS. Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems. 3 hours a week; laboratory work, one 3 hour period a week.

Elective. 3 hours, through the year.

This course, or courses 1 and 2 in chemistry, is required of students in the freshman or sophomore year.

3. SOUND. The physical theory of sound, musical instruments, and the acoustics of buildings. A lecture and recitation course. No laboratory work. This course is offered especially for students in music and expression.

Elective. 2 hours, first semester. Given in alternate years.

4. HEAT. Recitations, supplemented by experimental demonstrations and library study. Text-book: Edser's *Heat for Advanced Students*.

Elective. Prerequisite: Course 1-2. 2 hours, second semester. Alternating with Course 8.

5. LIGHT. Recitations, supplemented by illustrated lectures and library study.

Elective. Prerequisite: Course 1-2. 2 or 3 hours, first semester. Alternating with Course 7.

6. LIGHT. Laboratory work and special topics planned especially for students who expect to teach physics.

Elective. Prerequisite: Course 5. One 3 hour period, second semester.

7. ELECTRICITY AND MAGNETISM. The course includes a study of the practical applications of electricity.

Elective. Prerequisite: Course 1-2. 2 hours, through the year, or 3 hours, first semester.

8. ELECTRICITY AND MAGNETISM. Laboratory course.

Elective. Prerequisite: Course 7. One 3 hour period second semester. Alternating with Course 4.

9-10. GENERAL PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. 1 or 2 hours, through the year.

SOCIOLOGY AND ECONOMICS

MISS MELOY

1-2. SOCIAL SERVICE. Introduction to social economy. Theory: The causes of poverty; the history, principles, and methods of organizations for relief and social welfare. The newer forms of preventive and constructive work are emphasized. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh.

Elective, open to sophomores, juniors and seniors, and to special students. 2 hours, through the year.

3-4. SOCIAL SERVICE. Theory and practice. Theory: Public and private care of dependent classes; treatment of needy families; administration of charities; social legislation. Practice: Weekly field work under direction of a social settlement, child-helping society, the Associated Charities, or other social agency.

Elective. Prerequisite: Course 1-2. Open to juniors, seniors and special students. 2 hours, through the year.

5-6. SOCIAL SERVICE. Detailed study of social problems and weekly practice in social work. Each student is required to write an essay, showing personal experience and special knowledge of methods in a field chosen by herself. Instruction in statistical methods of social investigation.

Elective. Prerequisite: Courses 1-2 and 3-4. Open to advanced students. 2 hours, through the year.

7-8. SOCIOLOGY. First Semester: Elements of general Sociology. Comparison of the views of prominent sociologists. Second semester: Social Organization.

Elective, open to juniors and seniors, and to special students. 2 hours, through the year.

9-10. ECONOMICS. An introduction to principles and to practical economic problems.

Elective, open to juniors and seniors, and to special students. 2 hours, through the year.

11. CIVICS. Forms and functions of the American government with special reference to good citizenship. Lectures, readings and papers

Elective, open to all students. 1 hour, first semester.

12. IMMIGRATION. The history, causes and problems of American immigration. Designed for students who expect to work with immigrants. Lectures, readings and papers.

Elective, open to all students. 1 hour, second semester.

SPANISH

1-2. ELEMENTARY COURSE. Grammar. Reading of short stories and selections from Don Quixote. Special attention given to oral work, pronunciation and conversation.

Elective. 3 hours, through the year.

INAUGURATION
of
JOHN CAREY ACHESON, LL.D.
As President of the College
May 14, 1915

PROGRAM

ACADEMIC PROCESSION

Processional March—From Symphony I *Wider*
Presiding REV. WILLIAM L. MCEWAN, D.D.
Invocation REV. JOHN K. MCCLURKIN, D.D.
Anthem—"Glorious Forever" *S. Rachmaninoff*
THE COLLEGE GLEE CLUB
Induction to Office MR. OLIVER MCCLINTOCK
President of Board of Trustees
Inaugural Address PRESIDENT JOHN C. ACHESON, LL.D.
Songs (a) The Star *James H. Rogers*
(b) Ah! Love, but a Day *T. Carl Whitmer*
MISS ALICE DACRE BUTTERFIELD

Addresses of Greeting:

In behalf of Faculty and Students
CORR HELEN COOLIDGE, B. L.
Dean of Pennsylvania College for Women
In behalf of Alumnae Association
MARY BIDWELL BREED, PH.D.
Dean of Margaret Morrison Carnegie School
In behalf of Kentucky College for Women
MRS. LETCHER RIKER, A. B.
President of Kentucky College for Women
In behalf of Local Colleges
REV. FREDERICK W. HINITT, PH. D., D. D.
President of Washington and Jefferson College
In behalf of Colleges for Women
MARY AUGUSTA JORDAN, L. H. D.
Smith College, Head of English Department
In behalf of City of Pittsburgh
DR. SAMUEL BLACK MCCORMICK, D. D., LL. D.
Chancellor of University of Pittsburgh

Presentation of Delegates.

MARY W. BROWNSON, A. M.

Pennsylvania College for Women

Benediction REV. ROBERT CHRISTIE, D.D.

Triumphal March *Horatio Parker*

The Alumnae Banquet was held at the Hotel Schenley at 6:30 P. M. Miss Mary Bidwell Breed, President of the Alumnae Association presided. A concert was presented by Mrs. Lawrence Litchfield, Pianist, and David Bispham, Baritone.

EDUCATIONAL CONFERENCE

In connection with the inauguration of John Carey Acheson, LL.D., as President of Pennsylvania College for Women, Saturday, May 15th, 1915, 9:30 A. M., Dilworth Hall, Pittsburgh, Pa.

THE COLLEGE ORGANISM

Invocation Robert M. Russell, D.D., LL.D.
President Westminster College

The Alumna Mind Henry Noble McCracken, Ph.D.
President Vassar College

Trustee Guidance Mary Alma Sawyer, Litt. D.
Dean Western College

The Presidential Gift Anna J. McKeag, Ph. D., LL.D.
President Wilson College

Faculty Forces Edwin Earle Sparks, Ph.D., LL.D.
President Pennsylvania State College

Student Vitality Henry William Temple, LL.D.
Washington and Jefferson College

The Sustaining Public William M. Davidson, LL.D.
Superintendent of Schools, Pittsburgh

Benediction Rev. Hugh Thompson Kerr, D.D.

The conference was followed by an informal luncheon at Woodland Hall, for the Academic guests, Faculty, and friends of the college.

"PASKKENNODAN"

THE CITY OF SMOKE VAPOR OR THE CITY OF MIST

A pageant symbolic of the growth of Pittsburgh, divided into four parts, showing the Physical Aspect of Pittsburgh, the Industrial Life of Pittsburgh, the Educational Life of Pittsburgh, the Future Promise of Pittsburgh.

Written by VANDA E. KERST AND HELEN ABBOTT

Presented before the May Queen and her Court at the May Day Festival, Pennsylvania College for Women and Dilworth Hall. Closing the Inauguration of President John Carey Acheson, LL.D. Saturday, May 15th, 1915, 2:30 o'clock.

PROGkAM

1. PROCESSIONAL.

March Kretschman

A Herald announces the approach of the Queen of May. Two Fairy Sentinels take their places before the Queen's throne.

Maid of Honor Mildred Nichols

Queen of May Melba R. Martin

Attendants on the Queen	{	Janet Douglas Campbell
		Alice Marie Laidlaw
		Lucille Reed
		Thelma Kinney Harkless

Ladies-in-Waiting

2. CROWNING OF THE QUEEN.

3. PASKKENNODAN.

Directors

Vanda E. Kerst Helen Abbott

Director of Music—T. Carl Whitmer

Director of Singing—Chas. E. Mayhew

The Herald in the distance announces by a blast of the trumpet that the pageant is moving

Herald Mae B. MacKenzie

Color Bearer.

"Pittsburgh" Marion Post

Part I.

Physical or Natural Aspect of Pittsburgh

(Two motifs, fire and water, run through the pageant)

1. SUN DANCE.

Representing the Sun as the source of all energy.

La Tzgane Louis Ganne
Eva M. Weston

2. FIRE DANCE.

Representing elemental fire or the creative element
forming hills and valleys.

Air de Ballet Gustave Hille
Dilworth Hall Second

3. DANCE OF THE HILLS AND VALLEYS.

Idilio Lack
College Sophomores

4. DANCE OF THE RIVER, FOG, AND MIST MAIDENS.

The formation of the hills and valleys determines
the course of the rivers. This dance represents the
merging of the two rivers, the Allegheny and the
Monongahela, forming the Ohio River.

Beautiful Blue Danube Strauss
College Freshmen

5. FESTIVE SUN DANCE (The traditional Zuni song) . Carlos Troyer

Dilworth Hall First

6. PANTOMIMIC FIRE DANCE.

Representing the discovery of fire by the Indians.

Indian War Dance Beelstedt
Dilworth Hall First

Part II.

Industrial Life of Pittsburgh

The steel and coal industries and the river trade
are symbolically presented.

Color Bearer.

Industry Helen McClelland

1. SYMBOLIC DANCE.

Representing the coal industry and river trade. The first group of dancers represents the fern trees living and dying in the forests. The fern tree deposits form coal. Another group representing coal joins in the second part of the dance. The River, Fog and Mist Maidens surround and carry off the coal groups.

Fern Tree Dance The Danze, Chadwick
Dance of Coal Maidens

Dilworth Hall Fourth

2. FLAME AND SMOKE DANCE.

This dance represents the flames, sparks and smoke belched forth from the mills of the steel industry.

Hungarian Dance No. 5 Brahms
College Juniors

Part III.

Educational Life of Pittsburgh

Color Bearer.

Education Dorcas Beer

1. SCIENCE Florence Wilson

Chemistry

The origin of chemistry is represented by the figure of an old Arabian "Alchemist" in search of the philosopher's stone, the stone which shall turn all metals to gold.

The "Father of Modern Chemistry," Antoine Laurent Lavoisier, is next represented overthrowing the Phlogiston theory of experiments in combustion.

Madame Curie then enters, ushering into the world Radium, typified by a figure in dazzling white, sending forth Alpha, Beta and Gamma rays.

Radium Dance Dance Caprice, Grieg
Modern Industrial Chemistry

"Industry" joins hands with "Science," and "Progress" follows in their train.

Physics

The science of Physics which treats of energy and its relation to matter, is symbolized by two figures representing matter, and by three figures representing three forms of energy: Electricity, Heat and Light. The figures representing matter enter first, shrouded in black, indicating the absence of Light. Electricity follows, leading Heat and Light, to whom she imparts her energy.

Light shining upon Matter produces the effect of color and reveals the two forms of matter represented—Ice and Iodine. Heat, meanwhile, converts Ice into Water and Iodine into Iodine Vapor.

Heat and Light dance about the Solids, which cast off their black drapery, revealing one in a white robe, representing Ice and one in a metallic-colored robe representing Iodine. These draperies are then cast off, revealing Liquid robed in aqua marine, and Iodine Vapor robed in red purple. Liquid and Vapor join in the dance.

Pantomimic Dance for Physics . Polka Boheme—Rubenstein

2. ART.

Sculpture.

Faith, Hope and Despair.

Orpheus, Euridike and Hermes.

Painting.

The Duchess of Devonshire Gainsborough

The Gleaners Millet

Music.

Pan.

The Singing Boys Della Robbia

Music—Symphony in C (Schubert) Arr. by L. B. Marshall

3. LITERATURE.

Prose—

History—Julius Caesar.

Essay—Sir Roger de Coverley Addison

Novel—Ivanhoe Scott

Poetry—A group representing rhythmical movement.

The Gondoliers Nevin

English Literature

Mirth—L'Allegro Milton

Melancholy—Il Penseroso Milton

Bottom, Titania, Puck.

From "A Midsummer Night's Dream" Shakespeare

Hamlet, Ophelia.

From "Hamlet" Shakespeare

Rosalind, Orlando, Celia, Touchstone.

From "As You Like It" Shakespeare

Pippa

From "Pippa Passes" Browning

(Music by T. Carl Whitmer)

Latin and Greek

Apollo and the Muses	Giulio Romano
La Cinquintaine	Gabriel Marie
College Seniors	

French

Jeanne D'Arc

German

Marguerite—Faust	Goethe
----------------------------	--------

Part IV.

BOW OF PROMISE.

Hills and Valleys appear followed by the rivers in their natural courses. The sun comes forth casting its rays over the hill tops. The sun's rays shining through the mists cast a rainbow, which arching over "Pittsburgh," "Industry" and "Education" is prophetic of a glorious future.

RECESSIONAL.

March—Tannhauser	Wagner
Director of Orchestra—Carl Bernthaler.	

(Copyrighted and all rights reserved)

LECTURES

1915-1916

The following list comprises the lectures delivered to students as part of the academic work. They are given at a morning lecture hour and attendance is required.

Dilworth Hall Commencement . . .	Rev. George R. Ramsey, D.D.
Baccalaureate Sermon	Rev. W. L. McEwan, D.D.
College Commencement	Rev. W. Francis Irwin, D.D.
Lectures on Parliamentary Law . . .	Mrs. Wm. Anderson
Practice Lessons on Parliamentary Law .	Mrs. Wm. Anderson
Scottish Life of Mary Stuart	Miss Mary W. Brownson
Helen E. Pelletreau Memorial Service	

Speakers:

Mr. Oliver McClintock, Representing Board of Trustees.

Miss Janet L. Brownlee, Representing The Faculty.

Mrs. Westanna Pardee, Representing The Alumnae.

Lecture Recital, Tennyson's Elaine . .	Professor S. H. Clark
Piano Recital	Miss Mae B. MacKenzie

The Industrial Problem in Southern

Schools	Rev. George H. Atkinson
-------------------	-------------------------

The McDowell Memorial Association and

Characteristics of McDowell's Music.

Lecture Recital . Miss Coolidge, Mr. Whitmer, Mr. Mayhew

Music of Edward McDowell

Piano Recital	Mrs. Edward McDowell
-------------------------	----------------------

Poetry of Drummond	Dr. J. H. Bausman
------------------------------	-------------------

Illustrated Lecture on Telephone	Mr. C. H. Lyman
--	-----------------

Robert Burns	Rev. Robert Christie, D.D.
------------------------	----------------------------

Christmas Service	Rev. Edward Travers
-----------------------------	---------------------

Recital. The Story of the Opera	Mr. T. Carl Whitmer Mr. Charles Mayhew
---	---

America's Leadership in the New World

Politics	Mr. George W. Nasmyth
--------------------	-----------------------

Illustrated Lecture in French on Marie Antoinette	Madame Guerin
---	---------------

Property Laws for Women in Pennsylvania	Hon. J. J. Miller
---	-------------------

Rabindranath Tagore	Dr. B. H. McHatton
Recital	Students from Department of Expression
Women in Law	Miss Suzanne Beatty
Work of Hindman Schools	Miss Harriet Rue
John Knox	Rev. W. L. McEwan, D.D.
Day of Prayer for Colleges	Rev. Jesse R. Zeigler

RELIGIOUS AND SOCIAL LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are expected to be present at daily prayers in the Chapel, and resident students to be regular attendants at church on Sunday mornings and at the Sunday Vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and weekly Bible classes; and contributes to mission work at home and abroad. Systematic Bible study is one of the college requirements and three hours of such work are prescribed.

The daily life of the residence halls is regulated by student government, under the direction of the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

The College emphasizes religious and social life, for it believes both are essential parts of a liberal education. Arrangements for the comfort and well-being of resident students are made by the Dean and the social plans of all classes are submitted to her before action is taken. General receptions for students and their friends are held at mid-year and in connection with the Commencement exercises. Smaller gatherings of faculty and students occur at intervals throughout the year. The traditional College celebrations are those of Hallowe'en, Christmas, Saint Valentine's Day, and May Day, participated in by the student body. The Young Women's Christian Association gives a reception to new students at the beginning of the year, and conducts various benefits during the year for the support of its benevolent and missionary work.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as may be delegated to it by the Faculty. Resident students have a branch of the Association which has in charge the interest of the dormitory

The Young Women's Christian Association holds weekly prayer meetings and monthly missionary meetings. It has organized Bible classes. The Association contributes to philanthropic and missionary work at home and abroad, and is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Sorosis, the college magazine, is published monthly by the students and represents the varied interests of college life. It aims to maintain a high literary standard.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The Society holds occasional open meetings for the presentation of special programs.

Der deutsche Verein is carried on by the students of the German Department and its programs are in that language. It is both literary and social in character.

The Whitmer Music Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented. Included in the programs are discussions of various phases of music.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture for its members, and the occasional presentation of carefully selected plays. The principal event of the club year is the production of Senior Dramatics at Commencement time. *Pomander Walk* by Lawrence Housman and Granville Barker was presented in 1915 and was given a most artistic setting on the college campus.

The Athletic Association is a wide-awake organization which affords the students of the College an opportunity to play basketball, tennis and all out-door games. It is the aim of the Association to foster the growth of college spirit and also to help with the running expenses of the tennis court and the basketball teams. Through the efforts of the members some valuable apparatus has been purchased for the gymnasium.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city, and gives an annual concert with the Mandolin Club, and the two give a joint annual concert with clubs from one of the neighboring colleges for men. It has an enthusiastic membership and its work is much valued in the college life.

The Mandolin Club is open to students who play the mandolin, guitar or violin. Annual concerts are given in connection with the Glee Club and music furnished, not only for college functions, but for entertainments given in the city.

SCHOLARSHIPS

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, 406 Morewood Ave., Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantage of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnæ Association, the Mary Hawes

Nevin Scholarship by Mrs. John I. Nevin. These scholarships are held for one year, but may be renewed upon application.

FEES

	PER YEAR
Tuition	\$125.00
Room rent, including light and heat	100.00
Table board	225.00
Physical Training—	
Private lessons, twice a week	\$100.00
Private lessons, once a week	60.00
In classes of four, twice a week	25.00
Expression—	
Private lessons, twice a week	100.00
Private lessons, once a week	60.00
Music, see page 100.	
Diploma—	
Bachelor of Arts	5.00
Master of Arts	10.00
Laboratory—	
Biology 1-2, Physics 1-2, or Chemistry 1-2	10.00
Advanced science course fee in proportion to material used.	
Tutoring, per hour	1.00
Special Examination	2.00
Laundry, plain pieces, per dozen . . . . .	.50
Boarding during vacation, per week	9.00
General Nursing	5.00
Pew Rent	5.00

REGISTRATIONS FOR PAYMENT

All bills for boarding, tuition and extras are due, one-half at the beginning of the college year and the remainder on February 1. Checks should be made payable to Pennsylvania College for Women.

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

APPLICATION FOR ROOMS

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. There are a few double rooms, but the bedrooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

CORRESPONDENCE

Business inquiries and letters concerning the entrance of students should be addressed to Pennsylvania College for Women, Pittsburgh, Pa. Personal letters or particular communications of parents in regard to their daughters should be sent to the President or Dean.

TEACHERS' REGISTRY

The College is deeply interested in the welfare of its Alumnæ and is willing to coöperate actively with those who desire to secure teaching positions. A registry will be kept for the purpose and eligible candidates will be recommended to schools desiring to fill vacancies in their faculty lists.

DEGREES CONFERRED IN 1915

BACHELOR OF ARTS

Burleigh, Lorna	Pittsburgh
Cameron, Elizabeth Charlotte	Edgewood Park
Campbell, Janet Douglas	Pittsburgh
Davies, Grace Mary	Pittsburgh
Estep, Mary Hall	Pittsburgh
Jeffery, Mary Ruth	Pittsburgh
Johnston, Jane	California
Losa, Olga Emily	Coraopolis
Morris, Virginia Iris	Edgewood Park

CERTIFICATES GRANTED IN 1915

CERTIFICATE IN MUSIC

Trimble, Nell Irene Jeannette

CERTIFICATE IN EXPRESSION

Mahey, Jeanne Cyrene Pittsburgh

CERTIFICATES IN SOCIAL SERVICE

Estep, Mary Hail Pittsburgh
Fisher, Lillian New Kensington
Kindl, Frances Louise Pittsburgh
Mahey, Jeanne Cyrene Pittsburgh
McClelland, Helen Cameron Pittsburgh
Turner, Dorothy Maude Freeport

STUDENTS IN 1915-1916

SENIORS

Bair, Ethel Cordelia	Edgewood Park
Bannerot, Alberta Emma	Pittsburgh
Boale, Frances Eleanor	Vandergrift Heights
Crouse, Rebekah LeFevre	Sharpsburg
Errett, Dorothy	Carnegie
Frame, Gertrude Levis	Pittsburgh
Gaw, Edna McConnell	Pittsburgh
Geary, Rosemarie	Wilkinsburg
Gibbons, Martha	Anderson, Ind.
Greer, Alice Margaret	Canonsburg
Hill, Leila	Pittsburgh
Laidlaw, Alice Marie	Edgewood Park
Lee, Margaret Marie	Wilkinsburg
Lewis, Leora Madeline	Pittsburgh
Martin, Melba R.	Pittsburgh
Nicholls, Mildred	Pittsburgh
Robb, Mary Kathryn	Pittsburgh
Slater, Amelia Olive	Wilkinsburg
South, Seba Graham	Sewickley
Steele, Helen Elizabeth	Pittsburgh
Stratton, Mary Jane	Pittsburgh
Thompson, Helen Leighton	Pittsburgh
Weihe, Lillian Margaret	Connellsville
Woodrow, Grace De Haven	Pittsburgh

JUNIORS

Bailey, Carrie Elwena	Monongahela City
Balsiger, Mary Edna	Leechburg
Claster, Leah	New Kensington
Crandall, Martha Johnson	Warren
Dunbar, Martha Belle	Burgettstown
Eggers, Dorothy Ursula	Pittsburgh

Errett, Jane Elizabeth	Carnegie
Gokey, Clara Ruth	Jamestown, N. Y.
Herald, Georgia Jocelyne	Oxford, O.
Keck, Anna Katherine	Greensburg
Kidd, Gladys Harper	Pittsburgh
Kindl, Frances Louise	Pittsburgh
Law, Ruth Jane	Pittsburgh
McClelland, Elizabeth Day	Pittsburgh
Pardee, Helen Louise	Pittsburgh
Reinecke, Louise	Pittsburgh
Shepard, Estelle	Pittsburgh
Spriggs, Ada Marian	Washington
Stoebener, Margaret Dorothy	Pittsburgh
Van Eman, Aline Willard	Pittsburgh

SOPHOMORES

Alexander, Rachel Longwell	Washington
Austen, Ruth Hazel	West Etna
Bradt, Frances Gertrude	Pittsburgh
Cornelius, Kamala	Madras, India
Crowe, Ellen Beatrice	Pittsburgh
Davidson, Naomi Mollie	Pittsburgh
Eggers, Elizabeth Voegtly	Pittsburgh
Evans, Esther White	Pittsburgh
Fournier, Eulalia	Beaver Falls
Fuller, Eleanor	Wilkinsburg
Hill, Janet Lockhart	Pittsburgh
Hunker, Charlotte Marie	Bellevue
Jeffers, Lora Virginia	Crafton
Kates, Emily Serle	Pittsburgh
Kauffman, Ruth May	Pittsburgh
Leitch, Helen Elizabeth	Oakland
Logan, Ruth Douglas	Wilkinsburg
Long, Ruth Isabel	Wilkinsburg

Marks, Annetta	Pittsburgh
McKenzie, Elizabeth Catharine	New Cumberland, W. Va.
Minor, Dorothy Simpson	Pittsburgh
Myers, Kathryne Hannah	Pittsburgh
Paul, Josephine Brown	Pittsburgh
Sheppard, Elizabeth Woolslayer	Pittsburgh
Sterling, Elizabeth Winona	Masontown
Temple, Martha Agnew	Washington
Van Kirk, Lorena Ann	West Newton
Wolf, Rachel Olive	Pittsburgh

FRESHMEN

Ailes, Helen	Donora
Applestein, Lillian Dorothy	Pittsburgh
Black, Winifred Johnston	Pittsburgh
Blatt, Cecelia Marian	Pittsburgh
Brand, Margaret	Pittsburgh
Brownlee, Martha Foster	Washington
Crawford, Mary Alice	Sewickley
Crouse, Sarah Dora	Sharpsburg
Davis, Ethel Mary	Homestead
Emery, Camilla Pearl	Greensburg
Errett, Marjorie Russell	Carnegie
Evans, Marjorie Anna	Jeannette
Farr, Florence Marguerite	Avalon
Findley, Belle Bryson	Pittsburgh
Hamilton, Margaret Elizabeth	Edgewood
Hooff, Virginia Loney	Pittsburgh
Jefferson, Margaret Christelle	Aspinwall
Leech, Sarah Gladys	Ebensburg
Leopold, Henrietta Josephine	Pittsburgh
MacDonald, Pauline Mildred	Connellsville
MacMillan, Ruth Lovinia	Latrobe
McElroy, Eleanor Harriet	Edgewood
Philput, Mary Frances	Pittsburgh

Post, Marion Elizabeth	Pittsburgh
Richards, Mary Margaret	Morganfield, Ky.
Rogers, Augusta Georgia	Lexington, Ky.
Sander, Dorothea Lloyd	Pittsburgh
Sheppard, Jane Lois	Pittsburgh
Smith, Margaret Emily	Latrobe
Spencer, Ethel	Pittsburgh
Taber, Laura Hathaway	Edgewood
Thoburn, Margaret	Ben Avon
Taylor, Martha Elizabeth	Edgewood
Taylor, Bonnie Frances	Brockwayville
Weston, Eva May	Edgewood
Wolfel, Emma	Pittsburgh
Workman, Margaret	Washington

STUDENTS IN SPECIAL COURSES

Allen, Mary Cathlou	Texline, Texas
Armstrong, Margaret Imogene	Vandergrift
Barrett, Marie Jeanette	Pittsburgh
Becker, Isabel Margaret	Wilkinsburg
Beer, Dorcas Katherine	Bucyrus, Ohio.
Bowman, Helen Marr	Edgewood
Brown, Alice W.	Pittsburgh
Buck, Rachel Regina	Edgewood
Butterfield, Alice Dacre	Pittsburgh
Corbett, Lucile	Tarentum
Culley, Mrs. D. E.	Pittsburgh
Dawson, Mary Wallace	Uniontown
Early, Mrs. Cora E.	Pittsburgh
Erb, J. Warren	Pittsburgh
Evans, Edna	Jeannette
Forsyth, Edith Gail	Pittsburgh
Freeman, Charles	Ligonier
Germaine, Mrs. A. A.	Pittsburgh
Goider, Helen Katharine	Pittsburgh
Goldsmi, Eleanor Beatrice	Pittsburgh

Grimm, Kathryn Emily	Pittsburgh
Hackney, Virginia	Uniontown
Hamilton, Dorothy Jane	Pittsburgh
Harris, Edward	Pittsburgh
Hill, Harriet	Pittsburgh
Hoffman, Elizabeth H.	Pittsburgh
Horrocks, Alice Pearl	Millvale
Hudson, Irene Elizabeth	Wilkinsburg
Jackson, Helen S.	Pittsburgh
Jarecki, Valeska Strunz	Sandusky, Ohio
Jennings, Mrs. O. E.	Pittsburgh
Keenan, Virginia Eyrick	Pittsburgh
Klein, Martha Davis	Pittsburgh
Kramer, Florence	Pittsburgh
Kramer, Teresa	Pittsburgh
Krebs, Margaret	Pittsburgh
Lent, Anna	Pittsburgh
Long, Alice Rosalind	Pittsburgh
McCullagh, Mildred Dukes	Pittsburgh
McCurdy, Elizabeth Francey	Pittsburgh
McWilliams, Mildred	Pittsburgh
Mervine, Mrs. Ida Kramer	Pittsburgh
Norman, Elfa	Kittanning
Rea, Marianne	Pittsburgh
Quinn, Harriet	New Castle
Reei, Harriet Edna	Pittsfield, Ill.
Reeser, Mrs. E. B.	Pittsburgh
Rosenbloom, Florence	Pittsburgh
Ruppel, Margaret	Pittsburgh
Salinger, Eleanor	Parkersburg, W. Va.
Sallows, Marion Elizabeth	Pittsburgh
Seaman, Ruth Miriam	Swissvale
Seanor, Marguerite Reah	Monessen
Shapira, Sara Belle	Pittsburgh
Shoemaker, Henrietta	Pittsburgh
Smith, Esther Parker	Pittsburgh

Spira, Jeannette	Centerburg, Ohio
Stevenson, Elizabeth Plumer	West Newton
Stoess, Frieda M.	Pittsburgh
Stuckslager, Eleanor	Pittsburgh
Thompson, Madelaine Moffet	Pittsburgh
Tillinghast, Marion	McDonald
Trimble, Elvira Suffolk	Pittsburgh
Wallace, Mrs. H. A.	Pittsburgh
Wally, Bessie Florence	Pittsburgh
Walton, Mary Elizabeth	Pittsburgh
Waterhouse, Josephine	Pittsburgh
Wright, Bessie Bramble	Pittsburgh
Younkins, Florence Evelyn	Butler
Zahn, Ruth Elizabeth	Crafton

ALUMNAE ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually the *Alumnæ Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning *Alumnæ* and former students.

The officers of the Association for the year 1915-1916 are:

President—Miss Eleanor Fitzgibbon, '03.

Vice President—Mrs. Charles H. Spencer, '83.

Secretary—Miss Sara R. Carpenter, '11.

Treasurer—Miss Anne M. Houston, '02.

Advisory Editor, Recorder Board—Mrs. Robert W. Jones, '94.

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical ways. Three clubs of recent *Alumnæ* have been organized, members of the classes between 1890 and 1900 forming Decade Club I, graduates from 1900 to 1910 constituting Decade Club II, and graduates from 1911 on forming Decade Club III. The *Alumnæ* Lecture Committee has again undertaken to raise and administer a fund by means of which lectures may be given in the Assembly Hall for the benefit of undergraduates and *Alumnæ*.

BLANK FORM FOR WILL BEQUESTS

I give and bequeath to the "Trustees of (The) Pennsylvania College for Women in the County of Allegheny," incorporated under the laws of the State of Pennsylvania, the sum of.....
.....dollars; and the receipt of the Treasurer thereof shall be sufficient discharge to my executors for the same.

SCHOOL OF SOCIAL SERVICE

COURSES IN SOCIAL SERVICE

Educated women are turning more and more to social service. They are eager to make their attainments in knowledge and training count for the good of others, to keep pace with social progress. The call for service comes from individuals, churches, civic agencies and philanthropic organizations. The spirit of service is not enough. To be efficient as a professional social worker, and no less in the ever-widening volunteer field a woman needs mental discipline and extensive knowledge. But even the ordinary studies of a college curriculum added to a spirit of service is an insufficient equipment. The social service worker soon discovers that she needs to know the principles which have been built upon the experience of others and are used by expert social workers of to-day. Adequate preparation for social service includes special studies in Sociology and Economics, application of these studies in some practical way, and the best general education obtainable.

In its courses in Social Service the college recognizes both the demands of the times and of the student. Nowhere can social equipment be gained so readily as in college. To prepare students for social work, Pennsylvania College for Women offers not only its special courses in Social Service, but also all its resources. The student is guided to supplement these social studies with arts and sciences of which she can make practical use, and relate her other studies to social work.

In the Social Service Courses, the program of the first year is planned to give a general outlook over the field of social endeavor. To this end weekly visits of observation are made to institutions. In the class room the causes of poverty, the history of philanthropy and the principles underlying modern charitable agencies (including those visited) are studied. The program of the second year is planned to give detailed information and practice. The student goes weekly to a philanthropic or civic agency and works under the direction of one of Pittsburgh's experienced social workers. In the class room are studied methods of caring for the needy by public institutions, by organized charity and by individuals. A third year is arranged to meet the needs of those who, having begun the study in the sophomore year decide to enter social work professionally, and of others whose interest in volunteer service directs them toward more advanced study.

Pittsburgh, with its great industries and its diversified philanthropies, is an unusual field for observation, investigation and practical work. The college is assisted by many experienced social workers of Pittsburgh, who give lectures explaining the work in which they are engaged. These social workers give valuable coöperation also by the actual training of students in field work.

A certificate is given to the student who completes the social service courses, together with other recommended collegiate subjects.

Regular students may take the social studies among their electives, supplementing the requirements of the college curriculum, so that the subjects necessary for the certificate may be studied as a part of the work leading to the degree of Bachelor of Arts.

Special students may complete the requirements for this certificate in two years by covering thirty hours of work, fifteen hours of social service and directly related subjects, and fifteen hours in other departments of collegiate study. Required for the certificate are the Social Service Courses, Sociology and Economics, and five hours chosen from the following:—Story Telling, Plays and Games, Aesthetic Dancing, Dramatic Appreciation, Ornithology, Education 3-4, Hygiene, Dietetics, Municipal Chemistry, Civics and Immigration, Music (2 half-hour lessons weekly, credit 1 hour), and an essay showing an accurate and somewhat extended knowledge of methods added to the writer's personal experience in a particular kind of social work. Substitutions in these requirements and choice of collegiate subjects in other departments are made only with the approval of the President or the Dean of the College, and the head of the Social Service Department. Biology, Psychology, History of Education, Ethics, History, Bible and other subjects required for the degree of Bachelor of Arts are advised. Modern languages, music and physical training are valuable aids in practical work.

Special students who are not candidates for a certificate may be admitted to the social service courses, but every special student must be eighteen years old, must have a high school diploma, or its equivalent, and must give satisfactory references to show that she has character and purpose.

For social service with related branches of study, the regular college tuition will be charged. The college dormitory is open to students in these courses.

SCHOOL OF MUSIC

FACULTY

JOHN C. ACHESON, PRESIDENT

CORA HELEN COOLIDGE, DEAN

T. CARL WHITMER, DIRECTOR
Piano, Organ, Harmony and Composition

MAE B. MACKENZIE
Piano, Leschetizky method

CHARLES EDWARD MAYHEW
Singing and Choral Direction

MRS. C. E. MAYHEW
Singing and Sight Singing (Public School Music)

ANNA MILDRED WESTON
Harmony and History of Music

F. J. BROSKY
Violin, Sevcik method

SUSANNE HOMER
Piano (affiliated work)

SCHOOL OF MUSIC

Unusual opportunities are offered at Pennsylvania College for Women for the study of this branch of Art. The School of Music connected with the College has been enlarged and reorganized. Sixteen pianos are available for daily practice; and a three-manual and pedal pipe organ, with electric blower, makes it possible for students to secure great advantages in the way of practical work. Instruction is given in Organ, Piano, Voice, Violin, and other instruments, if desired.

Students taking college courses may have three hours of music each year counted toward a degree, on condition that two hours is theoretical instruction, with which one hour of practice may be combined by permission of the Faculty. A descriptive list of music courses carrying college credits will be found on pages 52 and 53.

A wide range of electives has also been provided for music students who are not candidates for the B. A. degree. Satisfactory completion of a definite amount of theoretical and practical work will entitle students to receive certificates in Piano, Organ, Singing and Musical Pedagogy. A detailed statement is given on pages 92 to 101 of the courses offered in The School of Music, and of the requirements for a certificate in any one of the departments.

It has been the constant aim of the Director to have the teaching in every line of work based on correct comprehension of the laws of the mind. The system of piano study used is rational in every respect, and represents the highest form of musical pedagogy so far reached, leading the student to a positive technic, repose, and a wide range of expressive power. Our students are trained to think, to practice, to memorize, to play, to teach.

The organ work is upon the same intellectual plane as that of the piano. Sight reading, modulation, transposition and improvisation are studied methodically and problems of technic are systematized.

The development of the memory receives especial attention in order that the student may not only acquire a large repertoire but have it constantly available for use.

THEORETICAL COURSES

1-2. HARMONY. Study of chords in both modes. Ear training, analysis, harmonization. Immediate application of knowledge to composition of pieces in simple forms.

2 hours, through the year.

3-4. HARMONY. A course embracing all theoretical factors fundamental to chord structure (keys, scales; rythms, etc.) Study of chords in both modes. Ear training, analysis, harmonization. Composition in simple forms.

1 hour, through the year.

5-6. COUNTERPOINT AND COMPOSITION. Early and modern contrapuntal methods contrasted. Detailed study of melodic and rhythmic construction with practical application to composition.

Prerequisite: Course 1-2. 2 hours, through the year.

7-8. DOUBLE COUNTERPOINT, CANON AND FUGUE. Analysis and composition.

Prerequisite: Course 5-6. 1 hour, through the year.

9-10. MUSICAL FORMS AND FREE COMPOSITION. Analysis of both normal and radical musical formations with immediate practice. Development of freedom in use of material.

Prerequisite: Course 5-6. 1 hour, through the year.

11-12. ORCHESTRATION. Detailed theoretical and practical study of orchestral instruments, their individual characteristics and their relation to the score. Score reading.

Prerequisite: Course 7-8. 1 hour, through the year.

13-14. HISTORY OF MUSIC. Study of the great works, composers and virtuosi. Development of notation. Comparative study of musical periods.

Open to students who have taken, or are taking, Course 1-2. 2 hours, through the year.

15-16. HISTORY OF MUSIC. Advanced course. Research work on special topics adapted to personal requirements. American music receives emphasis.

2 hours, through the year. Open to students who have taken course 13-14.

17-18. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs are given in connection with the lectures.

Open to all students. 1 hour, through the year.

COURSES IN SINGING

1. ELEMENTARY COURSE. Control of the breath. Development of resonance and beauty of tone in relation to vowel sounds. Studies in the formation of consonants. Ear training—intonation and rhythm. Simple exercises and songs.

2. INTERMEDIATE COURSE. Continuation of Elementary Course. Florid exercises—scales, roulades, trills, and other embellishments. Special work in articulation, phrasing, freedom of tone and of facial expression. Advanced vocalises and songs.

3. ADVANCED COURSE. Development of style. Interpretation—analysis of thought in song poems. The treatment of different schools of composition. The preparation of recital programs. Special studies—Church—Oratorio—Concert—Opera.

4. NORMAL COURSE. Résumé of Elementary, Intermediate, and Advanced Courses. Studies in the causes and treatment of various vocal vices, such as the tremolo (in its different phases), nasality, faulty intonation, etc. The consideration of the individuality of pupils. In connection with this study opportunity will be afforded for observation.

COURSE IN VIOLIN

(Sevcik Method)

1. ELEMENTARY COURSE. Relaxing and developing of muscles. Manipulation of violin and bow. Ear training. Intervals and rhythm. First position studies and miniature pieces.

2. INTERMEDIATE COURSE. Development of bow arm. All positions. Studies in double stopping, scales, arpeggios, trill and tone production. Standard etudes and student concertos. Chamber Music.

3. ADVANCED COURSE. Development of interpretation. Analysis of composition, classic and modern concertos. Fantasies, etc.

4. NORMAL COURSE. Resume of Elementary, Intermediate and advanced courses. The consideration of the individuality of the pupils. Studies of correcting various misapplied principles of bowing and fingering.

REQUIREMENTS FOR CERTIFICATE IN PIANO

1. PRACTICAL. The presentation of a program at graduation which shall be the equivalent of the following:

- (1) Prelude and Fugue, *Bach*.
- (2) Caprice (Alceste), *Gluck—Saint-Saëns*.
- (3) Nocturne in F sharp, *Chopin*.
- (4) Etude, Op. 25, No. 10, *Chopin*.
- (5) Adagio from Sonata, Op. 2, No. 2, *Beethoven*.
- (6) Gigue in A, *Bach-MacDowell*.
- (7) Polichinelle, *Rachmaninoff*.
- (8) Sonata, No. 4, *MacDowell*.
- (9) Jeux d' Eau, *Maurice Ravel*.
- (10) Etude III. (La Campanella,) *Paganini-Liszt*.

2. THEORETICAL. Harmony and Single Counterpoint in four parts, five species. Double counterpoint in the octave, fifteenth, tenth and twelfth. An example of Counterpoint no less than forty-eight measures in four parts, mixed species. A hymn tune over words to be selected by the Director. Two compositions, vocal or instrumental, in selected forms. Completion of this course must agree with date of certificate.

3. HISTORICAL. The course, 13-14, as outlined in Hamilton's *History of Music* and course 15-16.

4. COLLEGIATE. Seven hours of college work a year for two years, which may be chosen from Modern Languages, Rhetoric, English, History and Physics 3, Psychology, at the discretion of the President and the Dean.

In case a student elects accompanying as major with solo work as minor in the piano course, credit is given to that branch. Therefore the recital indicative of proficiency shall have due proportion of songs or other works in which the applicant for certificate shall also accompany the songs or other works.

PIANO IN CLASSES

This weekly class lesson under the Director is designed for the special study of interpretation exclusively for advanced players. This method is recognized everywhere as efficient, giving the students poise, confidence, and valuable experience.

Only under exceptional circumstances will students be accepted in this class unless they are also entered for private work.

No academic credit given.

REQUIREMENTS FOR CERTIFICATE IN ORGAN

1. PRACTICAL. The presentation of a program equivalent to the following:

- (1) Fantasia and Fugue in G minor, *J. S. Bach*.
- (2) Overture to *Midsummer Night's Dream*, *Mendelssohn*.
(Arranged by Samuel P. Warren.)
- (3) Fanfare, *T. Carl Whitmer*.
(Published by Clayton Summy Co., Chicago).
- (4) Improvisation on a given theme.
- (5) Symphony, No. V, *Chas. Marie Widor*.
 - I. Allegro Vivace.
 - II. Allegro Cantabile.
 - III. Andantino quasi Allegretto.
 - IV. Adagio.
 - V. Toccata.

PIANO—To organists the possession of a matured piano technic is absolutely indispensable.

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. MECHANICAL. Ability to tune reed pipes and to repair all ordinary disorder of the organ.

4. COLLEGIATE. The same as that prescribed for certificate in piano.

REQUIREMENTS FOR CERTIFICATE IN SINGING

1. PRACTICAL.

The presentation of a program equivalent to the following:

PURCELL (1658-1695) "Nymphs and Shepherds"

SCARLATTI (1659-1725) "Le Violette"

HAYDN (1732-1809) "My Mother Bids Me Bind My Hair"

MOZART (1756-1791) "Voi che sapete"

OLD IRISH (?) "When Love is Kind"

SCHUBERT (1797-1828) "Auf dem Wasser zu Singen"

SCHUMANN (1810-1856) "Die Lotosblume"

LISZT (1811-1886) "Die Lorelei"

BRAHMS (1833-1897) "An eine Aeolsharfe"

MASSENET (1842-1913) "Bonne Nuit"

CHARPENTIER (1860-....) "Depuis le jour"

WHELPLEY (contemporary) "Forest Song"

EMERY (1841-1891) "Burst, ye Applebuds"

RONALD (1873-....) "A Little Winding Road"

THOMAS (1850-1892) "A Song of Sunshine"

NEVIN (1862-1901) "Nightingale's Song"

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. HISTORICAL. The same as that prescribed for graduation in piano.

4. COLLEGIATE. The same as that prescribed for graduation in piano.

Choral class work and sight reading are required throughout the course.

REQUIREMENTS FOR CERTIFICATE IN VIOLIN

1. PRACTICAL. The presentation of a program at graduation which shall be the equivalent of the following:

- (1) Sonata in E minor, *Veracini*.
- (2) Concerto in G minor, *Bruch*.
- (3) Fantasia appassionata, *Vieuxtemps*.
- (4) Romanze in F major, *Beethoven*.
- (5) Caprice Viennois, *Kreisler*.
- (6) Zapateado, *Sarasate*.

THEORETICAL, HISTORICAL, COLLEGIATE. The same as that prescribed for graduation in piano.

GENERAL SUMMARY OF HOURS FOR CERTIFICATE STUDENTS

	First Year	Second Year
Piano or Voice (or any major) - 2 half hours (3 hours daily practice)	2 half hours	2 half hours
Violin, Voice, etc. (or any minor)	1 half hour	1 half hour
Harmony, Composition, etc. - - - 2 hours	2 hours	2 hours
History of Music - - - - - 2 hours	2 hours	2 hours
Choral work (this includes instrumental students) - - - - - 1 hour	1 hour	1 hour
College Work - - - - - 7 hours	7 hours	7 hours

Attendance at all important concerts required.

TEACHERS' COURSE

As all conscientious teachers are anxious to acquire the best methods, the College has thought it worth while to offer a special and most helpful course for the benefit of those teachers who are so occupied with their own professional work as to be unable to register for the regular courses detailed above, and who especially wish to master principles and methods of teaching.

REQUIREMENTS FOR THE TEACHERS' CERTIFICATE

1. PRACTICAL.

a. Ability to play through fourth grade work in piano.

b. A teaching experience of one and one-half years.

2. THEORETICAL. The same as that prescribed for graduation in piano.

3. COLLEGIATE. The same as that prescribed for graduation in piano.

If voice or violin is elected as the major subject, piano work up to grade three will be accepted.

COURSE IN PUBLIC SCHOOL MUSIC

SIGHT-SINGING, METHODS, DICTATION. The course requires for completion the ability to read fluently the music used in the various grades (including high school). Study of material for all grades, methods for presentation, and treatment of voices especially during period of mutation. Dictation covers the ground of recognition and identification of music heard.

CHORAL SINGING AND CONDUCTING. Practical experience in all phases of choral work, including study of material.

HARMONY AND COUNTERPOINT (Single). Courses 1-2 and 5-6.

ORCHESTRATION AND SCHOOL ORCHESTRAS. Orchestration is here studied especially for the combinations of instruments usually available in the public schools.

HISTORY OF MUSIC. This course designed especially for those whose duty will be the arrangement and supervision of classes in Musical Appreciation and Current Events. Courses 13-14 and 15-16.

Collegiate work same number of hours as in certificate for Piano.

Required—Psychology and History of Education. Electives from the department of History, English, Economics, Modern Languages and Physical Training.

DEPARTMENT OF CHURCH MUSIC

The College is prepared to offer exceptional facilities for the study and practice of Church Music. Solo organ playing, accompanying of solos and anthems, and choir training form the work for this course.

A similar course is offered for singers in the study of Church Choir music, including hymns, anthems, oratorios and songs suitable for use in the various churches. Practical experience in both divisions. Effort is made to place organists and singers in church work. This is done through our connection with music committees and ministers.

AFFILIATED WORK

By affiliated work we indicate the present connection which our former accredited music students have with us. For example, such a student enters a certain locality and develops a large class there. Such a teacher has the privilege of bringing her students to the Director or other instructors from time to time for criticism and help in the outlining of work. Also such a teacher is referred to when we are asked to suggest a teacher for that locality. Also for any overflow with us.

PITTSBURGH AND ITS MUSIC

Students have splendid opportunities to hear frequently the world's greatest artists in opera and concert, usually at special reduction in prices.

All these influences are of inestimable value in a musical education, so that a college outside of a great city can never compete with one within in the formative, cultural factors always at work.

It is suggested that a fee of Ten Dollars be deposited with the Director of Music to be used at his discretion for the important concerts of the year, arrangements for which must be made early in the season.

Students who fail to avail themselves of the musical opportunities will find that their credits for general musical culture will be seriously affected.

FEES

		Per semester	
		one lesson weekly	two lessons weekly
Grand Organ	. . . . .	\$40	\$75
<i>Three-manual pipe organ for lessons and practice, blown by electric motor.</i>			
Piano (private lessons)	. . . . .	30-40	50-75
Piano (class lessons)	. . . . .	30	
Voice	. . . . .	30	50
Harp	}	30	50
Guitar			
Mandolin			
Use of Organ, one period daily	. . . . .		15
Use of Piano, one period daily	. . . . .		10
Violin (per lesson)	. . . . .		2
Single lesson in Piano, Organ or Voice	. . . . .		5

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reason and due notice must be given. No deduction will be made for lessons lost by the student. As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

THEORETICAL COURSES

History of Music	} Private Instruction at Piano rates. Class Instruction, for those not otherwise classified, \$15 per semester.
Harmony	
Counterpoint	
Canon	
Fugue	
Composition	
Orchestration	
Appreciation of Music.	

ORCHESTRAL INSTRUMENTS

Students desiring to study any orchestral instrument will be provided with an instructor from the ranks of the Pittsburgh Orchestra.

All arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

FREE ADVANTAGES

(Open to all Students)

Harmony class, Ensemble Class, Choral Class, Music Club, Sight-Singing Class, Class in Musical Appreciation, Glee Club, Mandolin Club, Concerts and Lectures.

MUSIC STUDENTS

PIANO

Allen, Mary Cathlou	Texline, Tex.
Ashford, Florence Elizabeth	Mt. Washington
Armstrong, Imogene	Vandergrift
Brown, Alice Woodburn	Pittsburgh
Boale, Frances Eleanor	Vandergrift
Bruckman, Valerie	Bellevue
Barret, Marie Jeanette	Pittsburgh
Becker, Isabel	Wilkinsburg
Claster, Leah	New Kensington
Evans, Edna	Jeannette
Findley, Elma Agnes	Pittsburgh
Farr, Florence	Avalon
Farr, Lois	Avalon
Ferguson, Ruth Hannah	Pittsburgh
Forsyth, Edith Gail	Pittsburgh
Foster, Elizabeth Belle	Pittsburgh
Golder, Helen	Pittsburgh
Germaine, Mrs. A. A.	Pittsburgh
Gaston, Marion	Pittsburgh
Grimm, Katherine	Braddock
Hudson, Irene Elizabeth	Wilkinsburg
Harris, E.	Swissvale
Horrocks, Alice	Millvale
Hamilton, Dorothy Jane	Edgewood Park
Herschberger, Catherine Beatrice .	Pittsburgh
Jarecki, Valeska	Sandusky, O.
Klaus, Kathleen	Wilmerding
Lent, Anna	Pittsburgh
Logan, Ruth	Wilkinsburg
Leopold, Henrietta	Pittsburgh
Long, Alice Rosalind	Pittsburgh
Litchfield, Ethel C.	Pittsburgh
Klein, Martha Davis	Mt. Oliver Station

Martin, Melba	Pittsburgh
Mesta, Helen	Pittsburgh
McCurdy, Elizabeth Francey	Pittsburgh
McWilliams, Mildred	Pittsburgh
Norman, Elfa	Kittanning
Philput, Mary Frances	Pittsburgh
Pew, Mary Barr	Pittsburgh
Pew, Helen Gertrude	Pittsburgh
Reeser, Mrs. E. E.	Pittsburgh
Smith, E.	Pittsburgh
Smith, L.	Pittsburgh
Seaman, Ruth Miriam	Swissvale
Steele, Helen Elizabeth	Pittsburgh
Shane, Mabel Wallace	McDonald
Salinger, Ellinore	Parkersburg, W. Va.
Spira, Jeannette	Centerburg, Ohio.
Trimble, Elvira Suffolk	Pittsburgh
Thomas, Anna Mary	Pittsburgh
Thompson, Madeline Moffet	Pittsburgh
Richards, Mary Margaret	Morganfield, Ky.
Seanor, Marguerite Reah	Monessen
Swarthout, Therese	Pittsburgh
Younkins, Florence Evelyn	Butler
Tillinghast, Marion	McDonald
Wally, Bessie Florence	Pittsburgh
Waterhouse, Josephine V.	Pittsburgh

SINGING

Allen, Mary Cathlou	Texline, Texas
Armstrong, Mary Margaret	W. Newton
Barrett, Marie Jeanette	Pittsburgh
Bradt, Frances Gertrude	Pittsburgh
Becker, Isabel Margaret	Pittsburgh
Calvert, Alice Athalia	Charleroi
Eggers, Elizabeth Voegtley	Pittsburgh

Hill, Harriet	Pittsburgh
Jennings, Mrs. O. E.	Pittsburgh
Krebs, Margaret	Pittsburgh
Lent, Grace Elizabeth	Pittsburgh
Leech, Sarah Gladys	Ebensburg
Kramer, Florence	Pittsburgh
Norman, Elfa	Kittanning
Paul, Josephine Brown	Pittsburgh
Robb, Mary Kathryn	Wilkinsburg
Richards, Mary Margaret	Morganfield, Ky.
Seaman, Ruth Miriam	Swissvale
Shane, Mabel Wallace	McDonaid
Stuckslager, Eleanor	McKeesport
Trautman, Mary Katherine	Pittsburgh
Walton, Mary Elizabeth	Pittsburgh
Younkins, Florence Evelyn	Butler
Culley, Mrs. D. E.	Pittsburgh

VIOLIN

Findley, Belle Bryson	Pittsburgh
Long, Alice Rosalind	Pittsburgh

ORGAN

Harris, E.	Swissvale
Ruppel, Margaret	Oakmont
Wallace, Mrs. H. A.	Pittsburgh

HISTORY OF MUSIC

Allen, Mary Cathlou	Texline, Texas
Brown, Alice	Pittsburgh
Harris, E.	Swissvale
Hudson, Irene Elizabeth	Wilkinsburg
Horrocks, Alice Pearl	Millvale

Jarecki, Valeska Strunz	Sandusky, O.
Long, Alice Rosalind	Pittsburgh
Mervine, Mrs. Ida Kramer	Pittsburgh
Robb, Mary Kathryn	Pittsburgh
Seaman, Ruth Miriam	Swissvale
Seanor, Marguerite Reah	Monessen
Steele, Helen Elizabeth	Pittsburgh
McWilliams, Mildred	Pittsburgh
Golder, Helen Katherine	Pittsburgh
McCurdy, Elizabeth Francey	Pittsburgh
Norman, Eifa	Kittaning

HARMONY, COUNTERPOINT AND COMPOSITION

Allen, Mary Cathlou	Texline, Texas
Armstrong, Mary Margaret	W. Newton
Armstrong, Margaret Imogene	Vandergrift
Barrett, Marie Jeanette	Pittsburgh
Bowman, Helen Marr	Wilkinsburg
Brown, Alice W.	Pittsburgh
Becker, Isabel Elizabeth	Wilkinsburg
Evans, Edna	Jeannette
Farr, Florence	Avalon
Germaine, Mrs. A. A.	Pittsburgh
Golder, Helen Katherine	Pittsburgh
Harris, E.	Swissvale
Hamilton, Dorothy Jane	Edgewood Park
Horrocks, Alice Pearl	Millvale
Herschberger, Catherine Beatrice	Pittsburgh
Jarecki, Valeska Strunz	Sandusky, O.
Leech, Sarah Gladys	Ebensburg
Long, Alice Rosalind	Pittsburgh
Mayhew, Mrs. Chas. E.	Pittsburgh
Mervine, Mrs. Ida K.	Pittsburgh
McCurdy, Elizabeth Francey	Pittsburgh
McWilliams, Mildred	Pittsburgh

Norman, Elfa	Kittanning
Philput, Mary Frances	Pittsburgh
Pew, Mary Barr	Pittsburgh
Richards, Mary Margaret	Morganfield, Ky.
Ruppel, Margaret	Oakmont
Robb, Mary Kathryn	Pittsburgh
Seaman, Ruth Miriam	Swissvale
Seanor, Marguerite Reah	Monessen
Smith, Esther	Pittsburgh
Spira, Jeannette	Centerburg, O.
Steele, Helen Elizabeth	Pittsburgh
Thompson, Madeline Moffet	Pittsburgh
Wallace, Mrs. H. A.	Pittsburgh
Waterhouse, Josephine V.	Pittsburgh

Pennsylvania
College for Women

1917-1918

Pittsburgh

Calendar 1917

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	1	2	3	4	5	6	...	...	...	...	1	2	3	...	...	...	...	1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31	...	...	...	25	26	27	28	...	...	...	25	26	27	28	29	30	31	29	30	...	...	...	...	...
...

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	...	1	2	3	4	5	...	...	...	...	...	1	2	1	2	3	4	5	6	7	...	...	...	1	2	3	4
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
27	28	29	30	31	...	...	24	25	26	27	28	29	30	29	30	31	...	...	...	...	26	27	28	29	30	31	...
...

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
...	...	...	...	...	...	1	...	1	2	3	4	5	6	...	...	...	...	1	2	3	...	...	...	...	...	...	1
2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8
9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15
16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22
23	24	25	26	27	28	29	28	29	30	31	...	...	...	25	26	27	28	29	30	...	23	24	25	26	27	28	29
30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	31	...	...	...	...	...

Calendar 1918

JANUARY							FEBRUARY							MARCH							APRIL									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
...	...	...	1	2	3	4	5	...	...	...	...	...	1	2	...	...	...	...	...	1	2	...	1	2	3	4	5	6		
6	7	8	9	10	11	12	...	3	4	5	6	7	8	9	...	3	4	5	6	7	8	9	...	7	8	9	10	11	12	13
13	14	15	16	17	18	19	...	10	11	12	13	14	15	16	...	10	11	12	13	14	15	16	...	14	15	16	17	18	19	20
20	21	22	23	24	25	26	...	17	18	19	20	21	22	23	...	17	18	19	20	21	22	23	...	21	22	23	24	25	26	27
27	28	29	30	31	...	...	...	24	25	26	27	28	...	...	...	24	25	26	27	28	29	30	...	28	29	30	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...

MAY							JUNE							JULY							AUGUST										
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S				
...	...	...	...	1	2	3	4	...	...	...	...	...	1	...	1	2	3	4	5	6	...	...	...	...	1	2	3			
5	6	7	8	9	10	11	...	2	3	4	5	6	7	8	...	7	8	9	10	11	12	13	...	4	5	6	7	8	9	10	
12	13	14	15	16	17	18	...	9	10	11	12	13	14	15	...	14	15	16	17	18	19	20	...	11	12	13	14	15	16	17	
19	20	21	22	23	24	25	...	16	17	18	19	20	21	22	...	21	22	23	24	25	26	27	...	18	19	20	21	22	23	24	
26	27	28	29	30	31	23	24	25	26	27	28	29	...	28	29	30	31	25	26	27	28	29	30	31
...	...	...	...	...	...	...	...	30	.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
1	2	3	4	5	6	7	...	...	1	2	3	4	5	...	...	...	...	...	1	2	1	2	3	4	5	6	7			
8	9	10	11	12	13	14	...	6	7	8	9	10	11	12	...	3	4	5	6	7	8	9	...	8	9	10	11	12	13	14
15	16	17	18	19	20	21	...	13	14	15	16	17	18	19	...	10	11	12	13	14	15	16	...	5	16	17	18	19	20	21
22	23	24	25	26	27	28	...	20	21	22	23	24	25	26	...	17	18	19	20	21	22	23	...	22	23	24	25	26	27	28
29	30	...	...	...	...	...	...	27	28	29	30	31	...	...	...	24	25	26	27	28	29	30	...	29	30	31	...	...	...	...
.

Calendar

1917

- 18 September, Tuesday,
First Semester Begins—Enrollment
- 19 September, Wednesday Recitations begin
- 29 November, Thursday . . Thanksgiving Vacation Begins
- 3 December, Monday, 8:30 a. m. College Opens
- 21 December, Friday, 4:30 p. m.,
Christmas Vacation Begins

1918

- 7 January, Monday, 6:00 p. m. College Opens
- 24 January, Thursday Mid-year Examinations Begin
- 4 February, Monday, 8:30 a. m., Second Semester Begins
- 22 February, Wednesday Washington's Birthday
- 22 March, Friday, 4:30 p. m. Spring Vacation Begins
- 1 April, Monday, 6:00 p. m. College Opens
- 29 May, Wednesday Final Examinations Begin
- 30 May, Thursday Decoration Day
- 7 June, Friday, 3:00 p. m. Alumnae Meeting
- 8 June, Saturday Class Day
- 9 June, Sunday, 11:00 a. m.,
Baccalaureate Sermon, Third Presbyterian Church
- 10 June, Monday, 8:15 p. m.,
Commencement and President's Reception

Board of Trustees

OLIVER McCLINTOCK.....	<i>President</i>
JOHN B. FINLEY.....	<i>Vice-President</i>
WILLIAM H. REA.....	<i>Secretary</i>
DAVID McK. LLOYD.....	<i>Treasurer</i>

WM. L. MACEWAN, D. D.

JAMES C. GRAY

MRS. CHAS. H. SPENCER

MRS. WILLIAM S. MILLER

JACOB J. MILLER

JOHN C. ACHESON

W. W. BLACKBURN

JOHN K. McCLURKIN, D. D.

MRS. JOHN I. NEVIN

Standing Committees of the Trustees

Executive Committee: Mr. Blackburn, Dr. MacEwan, Mr. Finley, Mr. Rea, Mrs. Spencer, Dr. Acheson.

Finance Committee: Mr. Finley, Mr. Lloyd, Judge Miller, Mr. Blackburn.

Committee on Faculty and Studies: Dr. McClurkin, Dr. MacEwan, Dr. Acheson, Mrs. Miller, Mrs. Spencer.

Committee on House Visitation: Mrs. Spencer, Mrs. Nevin, Mrs. Miller.

Auditing Committee: Mr. Finley, Dr. MacEwan.

Faculty 1916-17

- JOHN C. ACHESON.....*President*
A.B., M.A., Center College; LLD., Central University of Kentucky.
- *CORA HELEN COOLIDGE, DEAN.....*Education*
A.B., Smith College; M.A., Washington and Jefferson College.
- MARY W. BROWNSON.....*History and Biblical Literature*
A. B., Pennsylvania College for Women; M.A., Washington and Jefferson College.
- GEORGE W. PUTNAM.....*English*
A.B., Grove City College; M.A., Harvard University.
- VANDA E. KERST.....*Spoken English*
Heidelberg University, Ohio; Pupil of S. H. Clark and Mrs. Bertha Kunz Baker, and Curry School of Expression.
- LUELLA P. MELOY.....*Sociology and Economics*
A.B., Pennsylvania College for Women; M.A., Columbia University.
- ALICE DACRE BUTTERFIELD.....*Chemistry and Biology*
A.B., M.A., Smith College.
- VIOLET LOUISE HOLCOMB.....*Physics and Philosophy*
A.B., Colorado College; M.A., Radcliffe College.
- CHARLES E. MAYHEW.....*Singing*
Worcester County Musical Schools, Worcester, Mass.
- ELIZABETH B. WHITE.....*History*
A.B., Cornell University.

* On leave of absence, first semester.

Faculty

- HELEN T. RANDOLPH.....*German and Italian*
Hoehere Toechterschule, Bromberg, Germany.
- *EDITH G. ELY, ASSISTANT TO THE DEAN.....*French*
A.B., Smith College; University of Berlin.
- HELEN ABBOTT.....*Physical Training*
Sargent Normal School for Physical Education.
- LETITIA BENNETT.....*Mathematics*
B.L., Oberlin College.
- MAE B. MACKENZIE.....*Piano*
Cosmopolitan College of Music, Chicago; Pupil of Victor Heinze,
Chicago and Berlin; and Josef Lhevinne, Berlin.
- LAURA C. GREEN.....*Latin and Greek*
A.B., Wellesley College; M.A., Columbia University.
- MARY D. LINDSAY.....*Rhetoric*
A.B., Vassar; M. A., Pennsylvania College for Women.
- ARLINE B. HOOKER.....*German and Spanish*
A.B., Cornell University; Zurich.
- DEBORAH E. LOVEJOY.....*Latin and Greek*
A.B., Smith College.
- GABRIEL L. HINES, DIRECTOR OF MUSIC....*Piano and Composition*
Institute of Musical Art, New York; Mus.B., University of
Pennsylvania.
- MARGERY STEWART.....*Chemistry*
A.B., Pennsylvania College for Women.

* Acting Dean, first semester.

Faculty

CATHERINE I. ALLEN..... *French*
A.B., Oberlin College; M.A., Chicago University; University of
Berlin, The Sorbonne.

GEORGE B. LAWSON..... *Education and Psychology*
A.B., Colgate; University of Bonn; M.A., D.D., Colgate.

MRS. CHARLES E. MAYHEW..... *Sight Singing*
Worcester County Musical Schools, Worcester, Mass.

MILDRED J. BEBEE..... *Rhetoric*
Ph.B., University of Vermont.

In order of appointment.

SEBA GRAHAM SOUTH, A.B. *Assistant in Social Service*

FRIEDA M. STOESS..... *Assistant in French*

Executive Officers

GEORGIA PROCTOR, A.B. *Librarian*

MARGARET A. STUART..... *Secretary*

MABEL N. LLEWELYN..... *Assistant to Secretary*

M. HELEN MARKS, A.B. *Field Secretary*

JANET L. BROWNLEE..... *Assistant to the Dean*

ELLA M. MARSHALL..... *Resident Nurse*

MRS. SARAH L. DRAIS..... *House Director, Berry Hall*

MRS. ELIZABETH A. ROWE..... *House Director, Woodland Hall*

JOHN KEEFE..... *Superintendent of Grounds*

Faculty Organization

DR. ACHESON.....	<i>President</i>
MISS COOLIDGE.....	<i>Dean</i>
DR. LAWSON.....	<i>Secretary</i>

Standing Committees

Cabinet: The President, the Dean, the Secretary, Miss Ely, Miss Brownson, Miss Brownlee, Miss Green.

Curriculum: The Dean, Miss Ely, Miss Holcomb.

Classification: Miss Meloy, Miss Lindsay, Miss White.

Scholarship: Miss Bennett, Miss Brownson, Miss Holcomb.

Documents: Miss White, Miss Hooker, Dr. Lawson.

Library: Miss Brownson, Miss Proctor, Miss Green.

Public Occasions: The Dean, Miss Brownlee, Miss Kerst, Miss Lovejoy, Miss Randolph, Mr. Hines.

Dormitory Life: The Dean, Miss Ely, Miss Bennett, Miss Abbott.

Correspondence

In the list below are the names of persons to whom communications of various types should be addressed:

Admission of Students: Cora Helen Coolidge, Dean.

Questions Relating to Health, Scholarship, or General Welfare of Students:
The Dean.

Requests for Catalogues or Other Information: M. Helen Marks, Field Secretary.

Business Matters: Margaret A. Stuart, Secretary.

Pennsylvania College for Women

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania for an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a centre of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine, old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active cooperation of many interested friends. The charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the offered courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892. A Music Hall was added to this building in 1897. Woodland Hall was opened as a College House in September, 1909.

Admission of Students

APPLICATION FOR ADMISSION

Each applicant for admission to the College must fill out and return a registration blank, which will be furnished upon request.

A deposit of \$5.00 must be made at the time of registration. This fee, in the case of non-resident students, is applied to the tuition for the second semester, or refunded, if notice of withdrawal is received thirty days before the opening of the college year.

For resident students, this deposit secures the reservation of a room. After a candidate's entrance, the deposit will be transferred from year to year when the application is renewed, and will be deducted from the final payment. Notice of transfer of the application to another year, or of withdrawal, must be received thirty days before the opening of the college year, otherwise the deposit will be forfeited.

All candidates must present satisfactory testimonials of good moral character.

METHODS OF ADMISSION

Admission to the Freshman class is by one of the following methods:

(a) **EXAMINATION.** Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examinations at the College.

(b) **CERTIFICATE FROM ACCREDITED SCHOOLS.** Instead of examination, certificates from high schools and academies whose work has been approved by the College and whose courses prepare for the Freshman class, will be accepted. Blank forms of such certificates will be furnished instructors on application to the Dean or the Field Secretary, with whom they are invited to correspond. Application for membership in the Freshman class should be made as early as possible, in order to insure the prompt completion of all preliminary arrangements. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION

Fifteen units are required for admission to the Freshman class. A unit represents a study continued throughout a year of thirty-six weeks in a secondary school, with five recitations a week, constituting approximately a quarter of a full year's work. The required fifteen units must include English (three units), History (one unit), Mathematics (two and one-half units—Algebra, one and one-half units; Plane Geometry, one unit), Foreign Languages (four units—two of these must be in Latin; the other two may be in Greek, French, German or Spanish).

In addition to the above, the student must present four and one-half units from the following list of subjects: Latin, Greek, French, German or Spanish, English, History, Civics, Mathematics, Science, Music.

Less than two units in any language will not be accepted. More than four units in any department will not be accepted.

ENGLISH

Three units required.

(a) COMPOSITION. Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them in the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

(b) LITERATURE. The books recommended are those listed in the Uniform College Entrance Requirements in English, for classes entering in 1916-1919, but other similar books will be accepted as equivalents. Study should include a knowledge of subject-matter and structure, and some acquaintance with the lives of the authors and the period in which they lived, but books listed under B call for more detailed treatment than those under A.

A. *Reading Groups:*

GROUP I (two to be selected)—*The Old Testament*, including the most important narrative parts of *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; the *Odyssey*, with the omission of Books I-V, XV-XVII; the *Iliad*, with the omission of Books XI, XIII-XV, XXI; Virgil's *Aeneid*. English translations of the *Odyssey*, the *Iliad*, and the *Aeneid*, of acknowledged literary merit, must be used.

Additional units from Groups II-V may be substituted for the two units of this group.

GROUP II—Shakespeare: *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like It*, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, **Julius Caesar*, **Macbeth*, **Hamlet*.

GROUP III—Prose Fiction. Malory: *Morte d'Arthur* (about 100 pages); Bunyan: *Pilgrim's Progress*, Part I; Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe: *Robinson Crusoe*, Part I; Goldsmith: *Vicar of Wakefield*; Frances Burney: *Evelina*; Scott's Novels: any one; Jane Austen's Novels: any one; Maria Edgeworth: *Castle Rackrent*, or *The Absentee*; Dickens' Novels: any one; Thackeray's Novels: any one; George Eliot's Novels: any one; Mrs. Gaskell: *Cranford*; Kingsley: *Westward Ho*, or *Hereward, the Wake*; Reade: *The Cloister and the Hearth*; Blackmore: *Lorna Doone*; Hughes: *Tom Brown's Schooldays*; Stevenson: *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels: any one; Poe: *Selected Tales*; Hawthorne: *The House of the Seven Gables*, or *Twice Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

GROUP IV—Essays, Biography, etc. Addison and Steele: *The Sir Roger de Coverley Papers*, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell: Selections from the *Life of Johnson* (about 200 pages); Franklin: *Autobiography*; Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey: *Life of Nelson*; Lamb: Selections from the *Essays of Elia* (about 100 pages); Lockhart: Selections from the *Life of Scott* (200 pages); Thackeray: *Lectures on Swift, Addison and Steele in the English Humorists*; Macaulay: Any one; Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, *Frederic the Great*, *Madame d'Arblay*; Trevelyan: Selections from the *Life of Macaulay* (200 pages); Ruskin: *Sesame and Lilies*, or Selections (150 pages); Dana: *Two Years Before the Mast*; Lincoln: Selections, including the two *Inaugural Addresses*, the *Speeches in Independence Hall* and at *Gettysburg*, the *Last Public Address*,

* If not chosen for study under B.

The Letter to Horace Greeley, together with a brief memoir of *Lincoln*; Parkman: *The Oregon Trail*; Lowell: *Selected Essays* (150 pages); Holmes: *Autocrat of the Breakfast Table*; Stevenson: *An Inland Voyage and Travels with a Donkey*; Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlett, Emerson and later writers; a collection of *Letters* by various standard writers.

GROUP V—Poetry. Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen under B); Goldsmith: *The Traveller* and *The Deserted Village*; Pope: *The Rape of the Lock*; a collection of English and Scottish *Ballads*, as, for example, some *Robin Hood* ballads, the *Battle of Otterburn*, *King Estmere*, *Young Beicham*, *Berwick and Grahame*, *Sir Patrick Spens*, and later ballads; Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron: *Childe Harold*, Cantos III and IV, and the *Prisoner of Chillon*; Scott: *The Lady of the Lake*, or *Marmion*; Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*," *Instans Tyrannus*; Arnold: *Sohrab and Rustum*, and *The Forsaken Merman*; selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow and Whittier.

B. Study and Practice:

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I—Drama. Shakespeare: *Julius Caesar*, or *Macbeth*, or *Hamlet*.

GROUP II—Poetry. Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III—Oratory. Burke: *Speech on Conciliation with America*; Macaulay: *Speeches on Copyright*; Lincoln: *Speech at Cooper Union*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*.

GROUP IV—Essays. Carlyle: *Essay on Burns*, with a selection from Burns' *Poems*; Macaulay: *Life of Johnson*; Emerson: *Essay on Manners*.

MATHEMATICS

Two and one-half units required.

(a) ALGEBRA. Factors; common divisors and multiples, theory of exponents, imaginaries. Fractions; radicals, including the extraction of square root of polynomials and of numbers. Equations involving radicals, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. (One unit.)

(b) QUADRATICS AND BEYOND. Quadratic equations, both numerical and literal, containing one or more unknown quantities. Problems depending on quadratic equations. Graphs. Binominal theorem for positive integral exponents. Arithmetical and geometrical progressions. (One-half unit.)

(c) PLANE GEOMETRY. The theorems and constructions of the five books of good texts. There should be constant practice in original demonstrations and exercises. (One unit.)

(d) SOLID GEOMETRY. The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids. (One-half unit.)

NOTE: It is very important that students review both Algebra and Geometry in their last preparatory year.

HISTORY

One unit required.

(a) ANCIENT HISTORY. With emphasis upon Greek and Roman history, but including an introductory study of earlier nations and a survey of important events in the mediaeval period to 800 A. D. (One unit.)

(b) MEDIAEVAL AND MODERN HISTORY. With emphasis upon the Renaissance movement, and the constitutional and social development of modern nations. (One unit.)

(c) ENGLISH HISTORY. With emphasis upon social and political factors of national development. (One unit.)

(d) AMERICAN HISTORY. With an outline study of Civil Government. (One unit.)

It is assumed that any subject offered for entrance credit represents a full unit in value—that is, five class exercises a week for one year. A text-book of not less than 500 pages should have been used, supplemented by an equal amount of collateral reading, constant reference to maps, and the preparation of written or verbal reports upon assigned topics.

LATIN

Two units required.

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. A thorough knowledge of all regular inflections, all common irregular forms, the fundamental principles of syntax, and a select vocabulary. (One unit.)

(b) CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or Nepos, *Lives*; prose composition; sight translation.

(One unit.)

(c) CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters; or from Sallust's *Catiline* and *Jugurtha*, except that the orations for the Manilian Law and for Archias are required, prose composition; sight translation. The applicant will also be examined in advanced prose composition.

(One unit.)

(d) VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid*, Books I, II and either IV or VI are required.

(One unit.)

GREEK

(a) GRAMMAR AND COMPOSITION. The topics required are similar to those under Latin Grammar and Composition.

(One unit.)

(b) XENOPHON. *Anabasis*, Books I-IV. The examination will include translation at sight.

(One unit.)

(c) HOMER. *Iliad*, Books I-III (omitting II, 494-end). The examination will include translation at sight.

(One unit.)

GERMAN

(a) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order. Reading and translation of not less than 100 pages of easy modern German prose. Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read.

(One unit.)

(b) Further study of grammar, particularly of syntax, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than two hundred pages of modern stories and plays with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into German. This ability may be acquired by constant practice in oral and written reproductions of the contents of the texts read, and by easy exercises in German prose composition. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) Further study along the lines already indicated. A thorough review of the grammar, accompanied by the use of a good text book in German prose composition. Reading and translation of from 300 to 400 pages of more difficult German. It is recommended that half of this amount be selected from simpler works of the classical period. Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class.

(One unit.)

(d) **ADVANCED GERMAN.** The work of the advanced course should comprise the reading of about 500 pages of

good literature in prose and poetry, reference readings upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German. The student should be able, at the end of the course, to read, after brief inspection, any German literature of the last 150 years that is free from any unusual textual difficulties, to put into German a passage of simple English prose, to answer in German questions relating to the lives and works of great writers studied, and to write in German a short independent theme upon some assigned topic. Suitable texts for the fourth year are Goethe's, Schiller's, and Lessing's *Works and Lives*. (One unit.)

FRENCH

(a) A knowledge of the fundamental principles of grammar is required. Inflection of nouns, adjectives, the use of all pronouns, conjugation of regular verbs and the common irregular verbs and the elementary rules of word order. Reading and translation of not less than 100 pages of easy modern French. Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read. (One unit.)

(b) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories and plays, with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into idiomatic French. This ability may be acquired by constant practice

in oral and written reproduction of the contents of the texts read, and by easy exercises in French composition. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) Further study along the lines already indicated. A thorough review of the grammar accompanied by the use of a good text book in French prose composition. Reading and translation of from 300 to 400 pages of more difficult French, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class. (One unit.)

CHEMISTRY

The study of at least one standard text book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elementary chemistry. Laboratory work, comprising at least forty exercises similar to those given in Brownlee's or Newell's *Laboratory Manual* or in the College Entrance Board Bulletin, recorded in a note book, certified by the teacher to be the original work of the student. Four recitations and laboratory work each week for a year. (One unit.)

PHYSICS

The study of a standard text book, the equivalent of Milliken and Gale's *First Principles in Physics*, for the

purpose of obtaining a connected and comprehensive view of the subject. Instruction by lecture table demonstrations of the practical aspects and applications of the fundamental phenomena and laws of physics. Laboratory work, including at least thirty experiments recorded in a note book certified by the instructor to be the original work of the student. These experiments should be chosen to give forceful illustration of the most important facts and laws of mechanics, heat, light and electricity. Four recitations and two hours of laboratory work each week for one year.
(One unit.)

BOTANY

The general principles of anatomy and morphology, physiology and ecology. Two-thirds of the time should be devoted to individual laboratory work recorded by description and diagrammatically accurate drawings.

ADMISSION TO ADVANCED STANDING

Students from other colleges whose entrance requirements are equivalent to those of Pennsylvania College for Women and which offer equivalent courses of study will be credited with the work they have done in such colleges and admitted to advanced standing without examination on presentation of a formal statement from the proper authorities. All others who desire advanced credit must pass examinations in subjects offered as college work. No student will be admitted to candidacy for the baccalaureate degree after the beginning of the senior year.

CERTIFICATE COURSES

In the Music, Social Service, and Spoken English departments, two-year courses leading to certificates have been planned. These courses are open to students registered for the A.B. degree, and involve for them only the recognition of a major in these subjects, together with further electives in their preferred field, but relieve them of none of their required work. A graduate may not receive more than one certificate in addition to the degree.

Students not candidates for degrees may also register for certificates, provided they can meet the requirements for admission to the Freshman class, or have had such training as will warrant their admission to college classes. The College welcomes, as students, persons of mature age and earnest purpose.

Further information in regard to certificate courses may be obtained from pages 51-54, 59-61 and 37-39 in this catalogue, or from the Bulletins issued by the departments of Music and Social Service, which will be furnished on application.

STUDENTS NOT IN REGULAR COURSES

Students may receive instruction without becoming candidates for a degree or certificate, but are permitted to enter only those classes for which their previous training has fitted them. They are required to consult with the Dean concerning their courses.

ART

A well known local artist, Miss Anna Craig, has a studio in the main building and students desiring work in illustrating, painting, sketching and design can make arrangements with Miss Craig at moderate prices.

GRADUATE WORK

The degree of Master of Arts is conferred upon those who hold the Bachelor's degree of this College or of some other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Graduate work may be taken in several of the departments of instruction. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the faculty that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by resident graduate students are the same as those paid by undergraduates. The charge for a Master's diploma is \$10.00.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English <i>Course D</i> 3 hours	Bible <i>Course C</i> 3 hours	Psychology 3 hours	
Mathematics <i>Course D</i> 3 hours	Science 3 hours	Spoken English 1 hour	Elective 15 hours
Language 3 hours	Language 3 hours	Elective *11 hours	
History <i>Course D</i> 3 hours	Elective 6 hours		
Elective 3 hours			
15 hours	15 hours	15 hours	15 hours

* A three-hour course in English Literature must be elected in the Sophomore, Junior, or Senior year.

Courses of Instruction

BIBLICAL LITERATURE

MISS BROWNSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of Sophomores. Three hours through the year.

1. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the Apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective; open to Juniors and Seniors. Two hours, through the year. Not offered in 1917-1918.

BIOLOGY

MISS BUTTERFIELD, MISS STEWART

1-2. GENERAL BIOLOGY. Two lectures and one recitation a week, supplemented by one laboratory period of two hours. The course has been arranged especially for those who desire a general knowledge of biology as part of a liberal education, as well as for those who are preparing for advanced work. Field trips will be taken.

Elective; open to Freshmen. Three hours through the year.

3-4. GENERAL BOTANY. Two lectures and one recitation a week, supplemented by one laboratory period of two hours. This course is designed to give students a personal acquaintance with plants in the field and laboratory.

Elective; open to all classes. Three hours through the year. Given in alternate years. Will be offered 1917-1918.

5. SYSTEMATIC INVERTEBRATE ZOOLOGY. This course consists of lectures and laboratory work on Protozoa, Porifera, Coelenterata, Vermes, Echinodermata, Mollusca and Arthropoda.

Elective; open to all classes. Three hours, first semester. Given in alternate years. Will not be offered in 1917-1918.

6. VERTEBRATE ZOOLOGY. The student becomes familiar with a series of types of vertebrates, studying the comparative anatomy and progressive modifications of a fish, reptile, frog, bird and mammal.

Elective. Prerequisite: Course 5. Three hours, second semester. Given in alternate years. Will not be offered in 1917-1918.

9. DENDROLOGY. A study of our common trees. The class hour will be spent in field work whenever the weather is pleasant.

Elective. Two hours, first semester. Not offered in 1917-1918.

10. ORNITHOLOGY. Lectures on the habits, homes and coloration of birds. Field trips.

Elective. Two hours, second semester. Not offered in 1917-1918.

CHEMISTRY

MISS BUTTERFIELD, MISS STEWART

1. GENERAL INORGANIC CHEMISTRY. Lectures and recitations on the history, occurrence, preparation, properties and uses of the more important elements and their compounds. In the laboratory the student prepares and transforms the chief substances studied. A few simple quantitative experiments are performed. Text book: Stoddard's *Introduction to General Chemistry*.

Three hours, first semester. Laboratory work, three hours weekly.

This course, or Course 1-2 in physics, required of students in the freshman or sophomore year.

2. QUALITATIVE ANALYSIS. Lectures, recitations, laboratory work. Ample practice in identifying unknown substances is given. The laboratory manual used is Stoddard's *Qualitative Analysis*.

Elective. Prerequisite: Course 1. Three hours, second semester.

This course must be taken by those offering Course 1 as required science.

3. (a) ORGANIC CHEMISTRY. Lectures and recitations upon typical organic compounds, their constitution, synthesis, relations, and transformations. Text books: Remsen, Perkin and Kipping.

Elective. Prerequisite: Course 1-2. Two hours, first semester.

3. (b) ORGANIC CHEMISTRY. Laboratory practice. Simple organic compounds are studied. The synthesis of more complex substances is treated. Attention is given to quantitative results. Text books used are Orndorff's *Manual of Organic Chemistry* and Gattermann's *Practical Methods of Organic Chemistry*. Students electing Course 3 are urged to take this course.

Elective. Prerequisite: Course 1-2. One hour, first semester. An additional hour, with credit, may be taken.

4. QUANTITATIVE ANALYSIS. Laboratory work. Lectures on gravimetric and volumetric laboratory methods.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. PHYSICAL CHEMISTRY. Lectures and recitations.

Elective. Prerequisite: Course 1-2. One hour, through the year.

7. SANITARY CHEMISTRY. Air, water, and food analysis. A study of the application of chemistry to problems of public health.

Elective. Prerequisite: Courses 3, 4, 5-6. Three hours, first semester.

8. MUNICIPAL AND INDUSTRIAL CHEMISTRY. A study of some of the great industries of Pittsburgh. Trips are taken.

Elective. Prerequisite: Course 1-2. With trips, three hours; recitations only, two hours; second semester.

9-10. THE TEACHING OF CHEMISTRY. This course is designed for those intending to teach chemistry, or for those wishing a comprehensive review of general chemistry with practice in handling special apparatus. The student must be able to perform difficult experiments in demonstration, and to take charge of some of the laboratory work in Courses 1 and 2.

Elective; open to Seniors and to others by special permission. One hour, through the year. An additional hour, with credit, may be taken.

EDUCATION

DR. LAWSON, MISS COOLIDGE

1-2. HISTORY AND PRINCIPLES OF EDUCATION. The development of educational ideals, institutions and methods with special reference to modern educational thought and practice.

Elective; open to Juniors. Three hours, through the year.

3. A STUDY OF THE ELEMENTARY SCHOOL. Application of the results of child-study to the elementary school.

The kindergarten. The teaching of the common branches. The vocational school. The junior high school. General method.

Elective; open to Seniors. Three hours, first semester.

4. A STUDY OF THE MODERN HIGH SCHOOL. A practical course in discussion of school activities and consideration of class room method and management. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. Two hours, second semester.

5-6. By cooperation between the departments of Social Service and Education, advanced students in both departments may have opportunity to study some lines of social work open to educational investigation and of practical value to teachers.

Elective; open to Seniors. One hour, through the year.

Courses in teaching are provided in the departments of Chemistry, English, History, Mathematics and Physics.

The diplomas of students who have taken the 200 hours of educational work required by the school code are countersigned by the school authorities. The courses in other departments which may be counted to meet the state requirements are Philosophy 1, 2, 3, 4, 5 and 6; History 12; Mathematics 8; Chemistry 9-10; English 19; Physics 9-10.

Graduates of the College have state teachers' certificates for Pennsylvania, under the school code. Arrangements

have also been made with the New York State Board of Education whereby graduates receive the College Graduates' Professional Certificates. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

ENGLISH

MR. PUTNAM, MISS COOLIDGE, MISS LINDSAY,
MISS BEBEE

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text book. Class room discussions. Individual conferences.

Required of Freshmen. Three hours, through the year.

C-1. ENGLISH COMPOSITION. Designed to supplement English D.

Required of all Sophomores who failed to make a grade of C in English D.

Two hours, first semester.

1. THE SHORT STORY. A reading course in the literature of the short story. A study of its nature and development as a separate form. Assigned readings. Criticisms. Discussions.

Elective; open to Freshmen and Sophomores. Three hours, first semester.

2. SHAKESPEARE. An intensive study of the idiom, poetry, dramatic structure, and character method of Shakespeare.

Elective; open to Freshmen and Sophomores. Three hours, second semester.

3. CHAUCER. A study of the language and literature of Chaucer. Lectures on his life and times. Additional readings from the poetry of the age of Chaucer.

Elective; open to Sophomores. Three hours, first semester.

4. WORDSWORTH, TENNYSON AND BROWNING. A study in their contrasted styles and philosophies. Discussions. Reports. Lectures.

Elective; open to Sophomores. Three hours, second semester.

7-8. ADVANCED THEMES. A course designed to meet the needs of students specializing in the lyric or in the short story. The work consists of theme writing and personal conferences. The course is limited in numbers and is open only to students showing special ability in English D.

Elective; open to Juniors and Seniors and to Sophomores by permission of the instructor. One hour, first or second semester.

9. AMERICAN LITERATURE. An outline study of the development of American literature. Lectures. Assigned

readings. Reports. At the instructor's option this may be restricted to the chief American poets.

Elective; open to Juniors and Seniors and to Sophomores by permission of the instructor. Three hours, first semester. Given in alternate years. Will not be offered in 1917-1918.

10. NINETEENTH CENTURY POETRY. A study of the romantic movement in English poetry from Burns to Kipling. Lectures. Assigned readings. Critical reports.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years. Will not be offered in 1917-1918.

11-12. THE NOVEL. A study of the origin and development of prose fiction. Assigned reading of complete masterpieces of the representative novelists, beginning with Beowulf. Reports. Lectures.

Elective; open to Juniors and Seniors. Three hours, through the year.

13-14. ANGLO-SAXON. A reading course in the grammar and language of Old English. The first semester is devoted to Anglo-Saxon prose, and the second semester to Beowulf. The course requires some knowledge of German and is recommended to students majoring in German.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years. Will be offered in 1917-1918.

15-16. **THE DRAMA.** An intensive study of the origin and development of the English drama. Lectures. Readings from the great dramatists.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years. Will not be offered in 1917-1918.

17-18. **BROWNING.** A seminar in the poetry and philosophy of Robert Browning. Lectures. Papers. Discussions.

Elective; open to Seniors. One hour, through the year.

19. **THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS.** A practical course in methods of presentation of subject matter. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. One hour, second semester.

SPOKEN ENGLISH

MISS KERST

1-2. **FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION.** Principles of Enunciation. Oral gymnastics for distinct, firm, fluent articulation. Physiology of vocal organs with exercises for developing the voice and improving its quality, also for correct breathing. Selections are analyzed and students are assigned definite work for presentation before the class. Two laboratory appointments each semester.

Elective; open to Freshmen. One hour, through the year.

3-4. DEBATE, EXTEMPORANEOUS SPEAKING, INTERPRETATION. A course designed to develop the powers of self-expression, and the ability to recreate and express the thoughts of others. Two laboratory appointments each semester.

Elective; open to Freshmen and Sophomores. One hour, through the year.

5-6. INTERPRETATIVE READING. Shakespeare, Browning, Tennyson.

Elective; open to Juniors, and required of those who have not previously studied Spoken English. One hour, through the year.

7-8. ADVANCED TRAINING IN DRAMATICS. The study and presentation of one drama. The cultivation of imagination and dramatic instinct.

Elective; open to Seniors. One hour, through the year.

9. DRAMATIC APPRECIATION. A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays from different periods in the history of the drama.

Elective; open to all students. Two hours, first semester.

11. STORY TELLING. The course is designed for those desiring to do story telling work, with children. The

story as related to child psychology; the origin and ways of telling stories; telling, classifying, grouping and adapting of stories.

Elective. One hour, first semester.

12. ADVANCED COURSE IN STORY TELLING. Selecting, adapting, dramatizing and writing stories. Students will be required to tell stories before the class and outside of college, in schools, settlements, clubs, etc.

Elective; open to those who have completed Course 11.
One hour, second semester.

Students' recitals are occasionally given.

Private work in this department may be arranged by consultation with the instructor.

REQUIREMENTS FOR CERTIFICATE IN SPOKEN ENGLISH

(a) Eight hours of college work a year for two years, which may be chosen from English, History, Modern Languages, Physical Training (Courses 5-6, 9-10), Physics (Course 3), Psychology, Education.

(b) Seven hours of work a year in the department of Spoken English, for two years, including all the courses offered by the department, and two private lessons a week.

(c) The presentation of one public program the first year, and two the second, with the final program at graduation.

FRENCH

MISS ELY, MISS ALLEN, MISS STOESS

1-2. ELEMENTARY COURSE. Fraser and Squair's Grammar. Reading. Prose composition. Phonetic training and conversation.

Elective; open to Freshmen and Sophomores who have presented no French at entrance. Three hours, through the year.

3-4. INTERMEDIATE COURSE. French literature the basis for study. Reading of representative French authors, Advanced grammar and composition. Conversation.

Elective; open to students who have presented two units of French, or have taken Course 1-2. Three hours, through the year.

5-6. CLASSICAL PERIOD OF FRENCH LITERATURE. Critical study of Racine, Corneille and Molière. Composition, conversation, résumés of all plays read.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English, with special reference to students preparing for library or similar work.

Elective. Two hours, through the year.

13-14. CONTEMPORARY LITERATURE. Rapid reading of current fiction and drama with discussion of modern tendencies in literature.

Elective. Prerequisite: Course 5-6 or its equivalent. Three hours, through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach.
One hour, through the year.

17-18. THE FRENCH DRAMA OF THE NINETEENTH CENTURY, with brief résumés of its earlier development. Rapid reading course. Composition based upon works read. Conversation.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERYDAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. One hour, through the year.

GERMAN

MISS RANDOLPH, MISS HOOKER

1-2. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective; open to students who present no German at entrance. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern German prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective; open to students who present two units of German, or who have taken Course 1-2. Three hours, through the year.

5-6. GERMAN CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective; open to students who present three units of German, or who have taken Course 3-4. Three hours, through the year.

7-8. ADVANCED GERMAN COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms, etymology and syntax.

Elective. Prerequisite: Course 5-6, or its equivalent. Especially recommended to those who expect to teach German. Two hours, through the year.

Course 13-14, Anglo-Saxon, in the English department, is recommended to those who expect to teach German.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction

to the detailed study of selected periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite: Course 5-6, or its equivalent, or by permission to students entering with three units of German. One hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of the best known authors. Lectures. Essays.

(a) The drama. One hour, through the year.

(b) The novel. Two hours, through the year.

Elective. Prerequisite: Course 5-6.

13-14. CONTEMPORARY LITERATURE. Rapid reading of current fiction and dramas with discussion of modern tendencies in literature. Lectures. Essays.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

19. GOETHE'S LIFE AND WORKS. Survey of his life, with special reference to his prose writings.

Elective; open to Juniors and Seniors. Two hours, first semester.

20. GOETHE'S FAUST. Parts I and II. Development of the Faust legend and the genesis of Goethe's *Faust*.

Elective; open to Juniors and Seniors. Two hours, second semester.

21-22. COLLOQUIAL GERMAN. Discussions and themes based upon German life, customs and travel.

Elective; open by permission to students electing the advanced courses. One hour, through the year.

GREEK

MISS GREEN, MISS LOVEJOY

1-2. ELEMENTARY COURSE. Grammar, prose composition, Xenophon, *Anabasis*.

Elective; open to all students. Three hours, through the year.

3-4. XENOPHON, ANABASIS (continued), with prose composition. Selections from Homer's *Iliad* and *Odyssey*. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the Homeric Epics by use of the text and translations, supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, *Alcestis*, or *Medea*. Prose composition based upon the prose authors studied.

Elective; open to Freshmen entering with three units of Greek and to students who have completed Course 3-4. Three hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing the origin, development, and decline.

Elective. Prerequisite: Course 5-6. Three hours through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

11-12. GREEK PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. One hour, through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course, like that of Latin 11-12, is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is therefore not required.

Elective; open to advanced students. One hour, through the year.

HISTORY AND POLITICAL SCIENCE

MISS BROWNSON, MISS WHITE

D. INTRODUCTORY COURSE. A study of the rise of the nations, and of such topics as feudalism, the crusades, the

growth of towns, and the struggles between church and state, from the period of the barbarian invasions to the Renaissance.

Required of Freshmen. Three hours, through the year.

1-2. MODERN EUROPEAN HISTORY, 1500-1815. Emphasis is placed upon the Renaissance movement, the Protestant reformation, the Revolutionary and Napoleonic periods in France.

Elective. Three hours, through the year.

3-4. EUROPE FROM 1815 TO 1915. This course begins with the Congress of Vienna and closes with a study of the causes of the Great War.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5. AMERICAN CONSTITUTIONAL HISTORY. A study of the Constitution, with reference to its origin, principles, limitations on federal and state powers, application to national problems.

Elective. Prerequisite: Course 1-2. Three hours, first semester. Will be offered in 1918-1919.

6. AMERICAN CONSTITUTIONAL GOVERNMENT. A study of the organization and practical working of the national government.

Elective. Prerequisite: Course 5. Three hours, second semester. Will be offered in 1918-1919.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding present movements and questions.

Elective. One hour, through the year.

9. INTERNATIONAL LAW. A course designed to aid students in the understanding and discussion of international relations. The study of some important cases will be undertaken.

Elective. Prerequisite: Course 3-4. Three hours, first semester.

10. AMERICAN DIPLOMATIC HISTORY. A survey of the international relations of the United States, including questions of dispute during the last century between the United States and European countries, relations with Latin America and the Far East, the share of the United States in the Hague Conferences.

Elective. Prerequisite: Course 9. Three hours, second semester.

12. TEACHING OF HISTORY. A consideration of the use of historical material, the criticism of text books, and the methods of teaching history in elementary and secondary schools. Opportunity will be given for observation work in city schools.

Elective; open to Seniors. One hour, second semester.

13-14. HISTORY OF ART. Outline of the development of architecture, sculpture and painting. Lectures, readings, study of photographs, trips to Carnegie Institute.

Elective. Two hours, through the year.

ITALIAN

MISS RANDOLPH

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern Italian prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1. Three hours, through the year.

LATIN

MISS GREEN, MISS LOVEJOY

1-2. CICERO, DE SENECTUTE, OR DE AMICITIA; LIVY, selections from Books I, XXI, XXII; Horace, *Odes and Epodes*.

Elective; open to students who present four units of Latin for entrance. Three hours, through the year.

3. PLAUTUS AND TERENCE. Selected plays. The development of Roman comedy.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. HORACE, SATIRES AND EPISTLES.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. STUDIES IN PLINY, JUVENAL, TACITUS. Roman society under the early empire.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

7. LYRIC AND ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, Ovid.

Elective; open to Juniors and Seniors. Three hours, first semester. Given in alternate years.

8. LUCRETIUS, DE RERUM NATURA; CICERO, DE NATURA DEORUM. An introduction to the study of Roman philosophy.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

9-10. PROSE COMPOSITION.

Elective; open to Juniors and Seniors. One hour, through the year.

11. THE TOPOGRAPHY AND MONUMENTS OF ROME.

Elective; open to all students. Two hours, first semester.

12. PRIVATE LIFE OF THE ROMANS.

Elective; open to all students. Two hours, second semester.

13-14. CICERO, SELECTIONS; OR, VIRGIL AND OVID, SELECTIONS.

Elective; open to students who present two or three years of Latin for entrance or who have completed Course 15-16. Three hours, through the year; four hours required of students inadequately prepared.

15-16. ELEMENTARY LATIN. Grammar, Caesar, Nepos. This course is offered without credit to satisfy Latin entrance requirements in the case of students who have not elected Latin in preparatory schools.

Four hours, through the year

MATHEMATICS

MISS BENNETT

D-1. SOLID AND SPHERICAL GEOMETRY. Required of Freshmen not offering Solid Geometry for entrance.

Three hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY. Trigonometric analysis, including transformations and proofs of formulae, trigonometric equations and inverse functions.

The solution of right, oblique and spherical triangles by means of logarithms.

Required of Freshmen. Three hours, second semester.

1. HIGHER ALGEBRA. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants. Binomial theorem, with proof. Partial fractions. Theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Open to Sophomores and required of Freshmen offering Solid Geometry for entrance. Students intending to pursue courses in higher mathematics are recommended to elect this course. Three hours, first semester.

3-4. ANALYTIC GEOMETRY, PLANE AND SOLID.

Elective. Three hours, through the year.

5-6. DIFFERENTIAL AND INTEGRAL CALCULUS.

Elective. Prerequisite: Course 3-4. Three hours, through the year.

7. HISTORY OF MATHEMATICS. This course is offered in the belief that it is essential to a thorough understanding of elementary mathematics. It treats of the development of mathematics from the earliest known times to the invention of analytic geometry by Descartes in 1637. The

subjects considered are number systems, numerals, arithmetic, algebra and geometry.

Elective. Two hours, first semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS. This course is intended for those who wish to teach mathematics in high schools. Instruction is given in the explanation of mathematical processes to elementary classes. Opportunity is afforded to observe teaching in the city high schools.

Elective. Two hours, second semester.

10. ASTRONOMY. A general study of the phenomena of the sky. The solar and stellar systems. Location of principal constellations.

Elective. Three hours, second semester.

MUSIC

MR. HINES, MISS MACKENZIE, MR. MAYHEW,
MRS. MAYHEW

1-2. THE ELEMENTS OF NOTATION, SCALES, KEYS, INTERVALS. Melody writing. Elementary harmony; augmented, diminished and chromatic intervals. The study of chords, their construction, relation and progression from the Tonic triad to the Dominant-seventh cord.

Elective; open to all students. Two hours, through the year.

3-4. ADVANCED HARMONY. Modulations, various forms of figurations and embellishments. Form, or the detail of

order in music. Examples leading up to the application of harmonic material in original exercises in the Homophonic forms of composition.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

5-6. ORIGINAL EXERCISES IN THE SMALLER FORMS OF COMPOSITION. Brief analysis of the larger forms. Elementary counterpoint: Examples in the different orders of counterpoint in two, three and four voices. Harmonizing and supplying melodious additional voices to melodies used as *Canti Firmi*.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

7-8. ADVANCED COUNTERPOINT: Fugue, single and double, imitation and canon. Thorough analysis of all the larger forms. Free compositions: Theme and variations. The Rondo and Sonata form.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

9-10. MODERN COMPOSITION. Discussions on the new forms of modern music. The harmony of the French and Russian schools. Orchestration. The nature, compass, tone color and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by the various composers.

Elective. Prerequisite: Course 7-8. One hour, through the year.

11-12. HISTORY OF MUSIC. The development of music from its earliest stages; the rise of church music, opera and

oratorio. Biographical sketches of famous composers and their compositions. Open to students taking Course 1-2.

Elective. One hour, through the year.

Courses in the theory and history of music are counted toward the baccalaureate degree. Practice courses may be so counted if combined with a proper amount of theory and history.

REQUIREMENTS FOR CERTIFICATE IN PIANO

(a) PRACTICAL. The satisfactory performance of representative preludes and fugues from the Bach *Wohltemperirte Klavier*; of a sonata by Beethoven; and of three representative compositions of the modern school, no one of which has been given at a public performance. The preparation, without assistance, of a piece of moderate difficulty. The reading at first sight of a suitable composition selected by the examiners.

(b) THEORETICAL. Courses 1-10, inclusive. The writing of an original composition in one of the smaller forms and the analysis of one of the larger compositions not previously announced. Candidates must also have an original composition presented in recital during the Senior year.

(c) COLLEGIATE. Eight hours of college work a year for two years, which may be chosen from the departments of Modern Languages, English, History, Physics and Psychology, with the approval of the Dean.

REQUIREMENTS FOR CERTIFICATE IN SINGING

(a) PRACTICAL. The satisfactory rendition of arias and songs representative of the various styles and periods of composition. The ability to read at sight a song of moderate difficulty, also a corresponding proficiency in accompanying.

(b) THEORETICAL. The same as those prescribed for graduation in piano.

(c) COLLEGIATE. The same as those prescribed for graduation in piano.

Candidates for graduation will also be required to perform in a students' recital at least once in their Junior and twice in their Senior year, unless excused by the Director.

Students sufficiently advanced will receive the certificate at the end of two years. For others the course will be extended.

A Bulletin issued by the Music department contains more detailed information in regard to the above courses, and a statement of those offered in violin, organ, etc. This will be furnished on application.

PSYCHOLOGY AND PHILOSOPHY

DR. LAWSON, MISS HOLCOMB

1-2. GENERAL PSYCHOLOGY. The facts and laws of mental life. An introductory course. Use of laboratory method.

Required of Juniors. Three hours, through the year.

3. **ADVANCED PSYCHOLOGY.** An intensive study of the more important topics of general psychology. Particular attention to the psychology of childhood and adolescence. The social consciousness.

Elective; open to Seniors. Three hours, first semester.

4. **EDUCATIONAL PSYCHOLOGY.** A comprehensive study of the learning process. The application of the principles of psychology to the problems of education.

Elective; open to Seniors. Three hours, second semester.

5. **LOGIC.** A study of the principles of inductive and deductive reasoning, and of the relation of logical theory to scientific and philosophic thought.

Elective; open to Juniors. Three hours, second semester.

6. **ETHICS.** The history of ethical philosophy, and a study of the fundamental principles of morality.

Elective; open to Seniors. Three hours, first semester.

7. **INTRODUCTION TO PHILOSOPHY.** A brief survey of the scope and the problems of philosophy, with a general outline of its history. Lectures, discussions, collateral readings.

Elective; open to Seniors. Three hours, second semester.

PHYSICAL EDUCATION

MISS ABBOTT

The regulation gymnasium suit consists of black bloomers, white jumpers, and gymnasium shoes. Shoes and bloomers may be ordered through the Director at a cost of about \$7.00. Dancing skirts and slippers may be procured in the same way.

1-2. GYMNASTICS. Marching; free-hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of Freshmen. One hour, through the year.
Without academic credit.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2, with advanced work.

Required of Sophomores. One hour, through the year.
Without academic credit.

5-6. AESTHETIC DANCING. Dancing technique and simple aesthetic dances, including folk dancing.

Elective; open to all classes. One hour, through the year. Credit given only for certificates in Social Service, Music and Expression.

7-8. ADVANCED AESTHETIC DANCING. A continuation of Course 5-6. A study of the interpretation of music through dancing. Original work required. The dancing

skirt will be worn in this class. Course will be given if elected by twelve students.

Elective. Prerequisite: Course 5-6. One hour, through the year. Credit given only to certificate students.

9-10. PLAYS AND GAMES. A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized.

Elective; open to all students. One hour, through the year. Credit given only to certificate students.

11-12. HYGIENE. Lectures on personal and general hygiene.

Elective; open to all students. One hour, through the year.

PHYSICS

MISS HOLCOMB

1-2. GENERAL EXPERIMENTAL PHYSICS. Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems. Laboratory work, one three-hour period a week.

Elective; open to students who have not presented Physics at entrance. Three hours, through the year.

This course, or Course 1-2 in Chemistry, is required of students in the freshman or sophomore year.

12. GENERAL COURSE. Similar to 1-2, but somewhat more advanced.

Elective; open to students who have offered Physics at entrance. Three hours, second semester.

This course, with Course 7-8, may be substituted for the required sophomore science.

3. SOUND. The physical theory of sound, musical instruments, and the acoustics of buildings. A lecture and recitation course. No laboratory work. This course is offered especially for students in music and expression.

Elective. Two hours, first semester. Given in alternate years.

5. LIGHT. Geometrical optics, interference, diffraction, polarization, spectrum analyses and a brief study of various theories.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, first semester, with one three-hour laboratory period. This course alternates with Course 7.

6. HEAT. Thermometry, calorimetry, change of state, properties of vapors, elementary thermodynamics, and radiation.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, second semester; alternate years.

7. ELECTRICITY AND MAGNETISM. A further study of the phenomena, theory and practical applications of electricity and magnetism.

Elective. Prerequisite: Courses 1-2 or 12. Three hours. first semester, with one three-hour laboratory period, This course alternates with Course 5.

9-10. GENERAL PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. One hour, through the year. An additional hour, with credit, may be taken.

SOCIOLOGY AND ECONOMICS

MISS MELOY, MISS SOUTH

7-8. SOCIOLOGY. First semester: Elements of general sociology. Comparison of the views of prominent sociologists. Second semester: Social organization.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

9-10. ECONOMICS. An introduction to principles and to practical economic problems.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

1-2. SOCIAL SERVICE. Theory and observation. Theory: Causes of poverty; social movements for the relief of poverty and for welfare; methods of charity for

groups and individuals, especially the newer forms of preventive and constructive work. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh.

Elective; open to Sophomores, Juniors and Seniors, and to special students. Three hours, through the year.

3-4. SOCIAL SERVICE. Theory and practice. Theory: Detailed study of social problems and of methods of investigation and social work. Field work. Each student is required to write an essay showing personal experience and special knowledge of methods in a field chosen by herself.

Prerequisite: Course 1-2. Open only to candidates for the certificate in Social Service. Three hours, through the year. Two hours through the year for such regular students as may arrange to do the field work during summer vacations required as a basis for the Social Service essay.

5. IMMIGRATION. An outline of the history, causes and problems of American immigration, with practical applications.

Elective; open to all students, two hours, first semester.

6. SOCIAL LEGISLATION. The principles and recent development of laws with which social workers should be familiar, especially such as deal with the protection of children, with women and children as wage-earners, and with workmen's compensation.

Elective; open to all students. Two hours, second semester.

REQUIREMENTS FOR CERTIFICATE IN SOCIAL SERVICE

The certificate in Social Service is given to regular students who are candidates for the degree of A.B., or to special students who complete the Social Service courses with related subjects, together with other recommended collegiate courses.

Special students may complete the requirements for the certificate in two years by covering thirty hours of work, including fourteen hours of Social Service and directly related subjects, and sixteen hours in other departments of the college. Required for the certificate are Social Service 1-2, Social Service 3-4, Sociology, Economics, Immigration and Social Legislation—twelve hours; Story Telling, Plays and Games—two hours. Recommended for the sixteen hours of work in other departments of the college are English (Freshman Rhetoric), Psychology, a modern language, Bible C, Hygiene, Aesthetic Dancing, Music (two half-hour lessons weekly), Current Events. Other college subjects as advised by the head of the department and approved by the Dean, may be accepted. The thesis, which is part of the work of Social Service 3-4, is required.

SPANISH

MISS HOOKER

1-2. ELEMENTARY COURSE. Grammar, De Vitis. Composition, reading, conversation.

Elective. Three hours, through the year.

3-4. ADVANCED GRAMMAR AND COMPOSITION. Studies in Spanish literature.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

Lectures

1916-1917

The following list comprises the lectures delivered to students as part of the academic work. They are given at a morning lecture hour and attendance is required.

Dilworth Hall Commencement	Rev. John R. Ewers
Baccalaureate Sermon	Rev. Wm. L. MacEwan, D.D.
College Commencement	Rev. Robt. McKenzie, D.D.
George William Curtis	Dr. Geo. B. Lawson
Mexico	Mr. Lincoln Steffens
Health	Dr. Rachel Williams
Pittsburgh in 1816	History Department
Kipling	Dr. J. H. Bausman
The River and the Flower	Rev. John R. Ewers
The Good and Evil in Music	Gabriel L. Hines
Jeanne D'Arc	Mme. Guerin
Serbia	Mlle. Helene Losanitch
A Lost Art	Dr. F. W. Hinitt
The Workmen's Compensation Law	Dr. W. H. Ingram
Scottish Life in the Sixteenth Century,	
	Miss Mary W. Brownson
Piano Recital	Miss Mae B. MacKenzie
Readings	Edmund Vance Cooke
Poetry of the Present War, 1914-1916	Dean Coolidge

Recreation and Better Citizenship.....	Sidney Teller
Robert Burns.....	Samuel Macaulay Lindsay, D.D.
Musical Recital.....	Mr. and Mrs. Chas. E. Mayhew
Luther Anniversary.....	History Department
The Appalachian Country.....	President Acheson

Regulations in Regard to Academic Matters

Requirements for Graduation: The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty hours of college work.

The unit of time used in measuring the value of work is a year hour; that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may, by permission of the classification committee, carry extra work not to exceed one hour a week.

The total requirement for the Bachelor's degree is as follows:

English	6 hours
Mathematics	3 hours
History	3 hours
Science	3 hours
Philosophy	3 hours
Biblical Literature	3 hours
Language (other than English)	6 hours
Spoken English	1 hour
Elective work	32 hours

Elective Work: At the end of the freshman year each student is required to choose a major department in which she will do at least eight hours of work, and an allied minor department in which she will do at least six hours of work.

Not more than six hours may be elected in a single department in any one semester. The faculty retains the option of forming classes in any elected courses when fewer than six students apply for registration.

Attendance: Every student is expected to attend all of her scheduled college exercises, and may expect that the grade of her work will be affected by irregularity. Absences at the beginning or end of vacations, unless excused by the Scholarship Committee after the presentation of a written explanation from parent or guardian showing illness of student or in the immediate family, or other emergency, must be made up by an examination, accompanied by a fee of \$2.00 in each subject in which a recitation has been missed. Such examinations are to be taken within two weeks. Failure to comply with this regulation requires the student to drop the regular work of the course until the test has been taken.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by the instructor concerned, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

Examinations: Examinations are given in all subjects at the end of each semester. Students failing to present themselves for examination in any course may secure private examination only by permission of the Dean and upon payment of a fee of \$2.00. This fee is also charged for tests taken to remove conditions, except entrance conditions. If

several examinations are to be taken under one permit in case of sickness, a fee of \$3.00 shall cover the list. Partial examinations, assigned during the semester at the discretion of instructors, are under the same regulations as others, except that the Dean may remit the fee, in case of illness.

Conditions: All entrance conditions are to be removed before a student is allowed to begin the work of the sophomore year.

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed with the approval of the Dean by prescribed work and re-examination, or by the repetition of the course when next regularly given.

Any required work unavoidably omitted or not completed at the time when it is regularly scheduled must be taken the next year.

Special Students: Special students are subject to the same requirements as to attendance, examinations, standing in classes and general regulations as other students.

Reports and Grades: Letters are used to designate academic standing. A represents 90-100; B, 80-90; C, 70-80; D, 60-70; E, failure.

For graduation a student must have to her credit a grade of C or above in thirty year hours out of the total of sixty hours required. (This regulation takes effect beginning with the class of 1920.)

Reports are sent out at the end of each semester to parents or guardians. A student may learn her standing in classes by making application to the Dean at the end of the semester.

General Information

SITUATION

The college, located in the East End of Pittsburgh, in the best residence section of the city, combines accessibility with seclusion to an unusual degree. The beautiful campus, bordering on Woodland Road, provides a natural amphitheatre which is employed with fine effect for the presentation of plays and pageants, and has also an athletic field where space is found for tennis, basket ball, and other outdoor sports.

Hamilton Avenue or Highland Park electric cars running out Fifth Avenue from the down-town district will carry passengers very near the campus entrances on Murray Hill Avenue and on Woodland Road. Persons entering the city by the Pennsylvania Lines should check their baggage to the East Liberty Station. Taxicabs may be taken from this station to the college.

BUILDINGS

Berry Hall is four stories in height. Its lower floors are employed chiefly for administrative purposes, but contain also the libraries and drawing rooms. For the convenience of day students especially, each class has been assigned a room. These rooms are known as "Dens," are comfortably furnished, and are employed as lunch rooms or rest rooms, and for class gatherings of all sorts. The upper floors of Berry Hall provide dormitory space.

Dilworth Hall is devoted to academic uses. In it are the assembly hall, lecture rooms and laboratories.

Music Hall contains studios and practice rooms.

The Gymnasium occupies the lower floor of Music Hall.

Woodland Hall is a residence house. It is a four-story fire-proof building containing a large reception hall, parlors, dining and service rooms, an infirmary and living accommodations for fifty students. It is constructed after the most approved plans for college dormitories and has been found a commodious and very attractive home.

LIBRARY

The College Library is housed in Berry Hall and students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. The departmental collections are enlarged from time to time by gifts from the alumnae and friends, or by the appropriation of funds. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an alumna of the college, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; and as this fund increases, its interest becomes available for the purchase of important books.

There is a well-lighted and attractive reading room, supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

THE CARNEGIE INSTITUTE OF PITTSBURGH

Here may be found a splendid library containing 424,400 volumes, which permits extensive outside reading in connection with all branches of assigned work. The Institute maintains also museums, rich in material for scientific and cultural studies, and art galleries, with valuable permanent collections of paintings, architecture, and sculpture; and it holds frequent exhibits of the work of both European and American artists. In its halls also are to be heard, from time to time, concerts and lectures of high standard. These resources are of great value to all students in Pittsburgh.

The nearness of the Carnegie Institute is a decided advantage to the College.

RESIDENCE

It is the plan of the College to make dormitory life as homelike as possible. Berry Hall and Woodland Hall have their own kitchens, dining rooms and living rooms, and are presided over by experienced house directors. Every opportunity is given for that pleasant intercourse among students and between faculty and students which adds so greatly to the value of college life.

The daily life of the residence halls is regulated by student government, through the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

Health is considered of the highest importance. Physical examinations are required of each resident student upon entrance, and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the college and has charge of all cases of illness, except a protracted or serious case demanding a private nurse. Parents may be assured that their daughters who live at the college will receive careful and sympathetic personal attention. The infirmary in Woodland Hall is well equipped for the care and comfort of the sick.

The department of Physical Training in its required and elective courses offers opportunities for intelligent exercise and right physical development. All resident students are expected to take daily outdoor exercise.

EXPENSES

The charge for tuition to all students, whether living in the college buildings or not, is \$150.00 a year. Tuition is payable in advance and is not subject to return or deduction.

Students who are permitted to take seven hours or less of class room work a week, pay tuition for the year on the following scale: For a one-hour course, \$15.00; a two-hour course, \$30.00; a three-hour course, \$45.00; and a four-hour course, \$60.00. Payment is due at the beginning of the year.

	<i>Per Year</i>
Registration Fee	\$ 5.00
Laboratory:	
Biology 1-2, Physics 1-2, or Chemistry 1-2	10.00
Advanced science course fee in proportion to material used.	
Spoken English:	
Private Lessons, twice a week	\$100.00
Private lessons, once a week	60.00
Diploma:	
Bachelor of Arts	5.00
Master of Arts	10.00
General Nursing	5.00
Tutoring, per hour	1.00
Special Examination	2.00
Laundry, plain pieces, per dozen . . . . .	.50
Boarding During Vacation, per week	10.00

The charge for board and room to students living in halls of residence is \$325.00. The total annual charge for residence and tuition is \$475.00.

Fixed times and amounts of payments.

Resident Students:

September (at opening of College) \$250.00

This sum includes \$100.00 on account for tuition
and \$150.00 on account for board.

February (before beginning of second semester), 225.00

This sum includes balance on tuition \$50.00, and
\$175.00 balance due for board.

Day Students:

September (at beginning of College) 100.00

February (before opening of second semester) . . 50.00

Payments must be made before the student can take her place in the class room. No exception will be made to this rule without written permission from the President.

Checks should be made payable to Pennsylvania College for Women.

No degrees will be conferred and no record of credits will be given until all bills due to the College by the candidate have been paid.

NOTE: These rates will apply to all new students matriculating in the fall of 1917, and any advance in rates noted herein will apply to all students in the college at the beginning of the session of 1918.

DEPARTMENT OF MUSIC

For Instruction for the College Year in Pianoforte,
Organ, Violin or Vocal Music:

Two lessons a week \$100.00—\$150.00

One lesson a week 60.00— 80.00

(Lessons thirty minutes in length)

For Use of the Pianoforte for College Year 20.00

For Use of the Pipe Organ for College Year 30.00

Special arrangements may be made for lessons on instruments not mentioned above.

Tuition in music must always be paid in advance, two-thirds at the beginning of the first semester, and one-third at the beginning of the second semester, and is not subject to return or deduction.

APPLICATION FOR ROOMS

A fee of \$5.00 must be deposited by each student in order to secure the reservation of a room. This fee should be forwarded to the Secretary with the application for admission. After a candidate's entrance, the deposit will be transferred from year to year when the application is renewed, and will be deducted from the final payment. Notice of the withdrawal or of the transfer of the application to another year must be received by the Secretary thirty days before the opening of the College year, otherwise the deposit will be forfeited.

Non-resident students must accompany their application with a fee of \$5.00. This fee is forfeited unless notice of withdrawal is received thirty days before the opening of the College year, otherwise it is applied to the tuition for the second semester.

All applications will be registered and rooms will be assigned according to the date of application. There are a few double rooms, but the bed-rooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for students *from the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness of one month or longer, when the loss for board and room will be equally shared.*

SCHOLARSHIPS

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved president of the college. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, 406 Morewood Avenue, Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantages of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association, the Mary Hawes Nevin Scholarship by Mrs. John I. Nevin. These scholarships are held for one year, but may be renewed upon application.

RELIGIOUS LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are required to be present at daily prayers in the chapel, and resident students to be regular attendants at the church of their choice on Sunday mornings and at the Sunday vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and weekly Bible classes. Systematic Bible study is one of the college requirements and three hours of such work are prescribed.

SOCIAL LIFE

The College emphasizes religious and social life, for it believes both are essential parts of a liberal education. The Public Occasions Committee, with the Dean as chairman, supervises all plans for entertainments and other social activities and every effort is made to assure day students an equal share with resident students in the enjoyment of all occasions. The traditional college celebrations are those of Color Day, Hallowe'en, Christmas, the Mid-year Dance, St. Valentine's Day, May Day and the Senior Play.

The Young Women's Christian Association gives a reception to new students at the beginning of the year. Class entertainments, recitals of the departments of Music and Spoken English, and many informal events throughout the year contribute to a very delightful social atmosphere.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as may be delegated to it by the faculty. Resident students have a branch of the Association which has in charge the interests of the dormitories.

The Young Women's Christian Association holds weekly prayer meetings and organized Bible and mission study classes. The Association contributes to philanthropic and missionary work at home and abroad, and is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Pennsylvanian, the college year book, is published by the Junior class. It is a summary of student activities and student life.

The Sorosis, the college magazine, is published monthly by the students and represents the varied interests of the College.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The society holds occasional open meetings for the presentation of special programs.

Der deutsche Verein is carried on by the students of the German department. It is both literary and social in character.

The Whitmer Music Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented. Included in the programs are discussions of various phases of music.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture for its members, and the occasional presentation of carefully selected plays. The principal event of the club year is the production of Senior dramatics. The play in 1916 was *A Midsummer Night's Dream*, presented as a part of the May Day Pageant, and given a most artistic setting on the college campus.

The Athletic Association affords the students of the college an opportunity to play basket ball, tennis and all out-door games. Arrangements for swimming have been made at the Central Young Women's Christian Association. It is the aim of the Association to foster the growth of college spirit and also to help with the running expenses of the tennis court and the basket ball teams.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city, and gives an annual concert with the Mandolin Club, and the two give a joint annual concert with clubs from one of the

neighboring colleges for men. It has an enthusiastic membership and its work is much valued in the college life.

The Mandolin Club is open to students who play the mandolin or guitar. Annual concerts are given in connection with the Glee Club and music furnished not only for college functions, but for entertainments given in the city.

Phi Pi was organized in November, 1916. Its aim is to create a more alert interest in the classics by discussing interesting topics for which there is not time in the regular class room work, by presenting Greek and Latin plays, tableaux, or other attractive programs and by keeping the members informed on current literature bearing on the study of Latin and Greek.

RECOMMENDATIONS

The College is deeply interested in the welfare of its alumnae and is glad to cooperate actively with those who desire positions as teachers or in other vocations. A registry will be kept for this purpose and eligible candidates recommended.

ALUMNAE ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning alumnae and former students.

The officers of the Association for the year 1916-1917 are:

President Mrs. Mary Acheson Spencer, '83

Vice-President . . . Mrs. Gertrude Walker Holmes, '84

Secretary Miss Sara H. Carpenter, '11

Treasurer Miss Anne M. Houston, '01

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical ways. Three clubs of recent alumnae have been organized, members of the classes between 1890 and 1900 forming Decade Club I, graduates from 1900 to 1910 constituting Decade Club II, and graduates from 1911 on forming Decade Club III. The Alumnae Lecture Committee has again undertaken to raise and administer a fund by means of which lectures may be given in the Assembly Hall for the benefit of undergraduates and alumnae.

Degrees Conferred in 1916

BACHELOR OF ARTS

Bair, Ethel Cordelia	<i>Edgewood Park</i>
Bannerot, Alberta Emma	<i>Pittsburgh</i>
Boale, Frances Eleanor	<i>Vandergrift Heights</i>
Crouse, Rebekah LeFevre	<i>Sharpsburg</i>
Errett, Dorothy	<i>Carnegie</i>
Frame, Gertrude Levis	<i>Pittsburgh</i>
Gaw, Edna McConnell	<i>Pittsburgh</i>
Geary, Rosemarie	<i>Wilkinsburg</i>
Gibbons, Martha	<i>Anderson, Indiana</i>
Greer, Alice Margaret	<i>Canonsburg</i>
Hill, Leila	<i>Pittsburgh</i>
Laidlaw, Alice Marie	<i>Edgewood Park</i>
Lee, Margaret Marie	<i>Wilkinsburg</i>
Lewis, Leora Madeline	<i>Pittsburgh</i>
Martin, Melba R.	<i>Pittsburgh</i>
Nicholls, Mildred	<i>Pittsburgh</i>
Robb, Mary Kathryn	<i>Pittsburgh</i>
Slater, Amelia Olive	<i>Wilkinsburg</i>
South, Seba Graham	<i>Sewickley</i>
Steele, Helen Elizabeth	<i>Pittsburgh</i>
Stratton, Mary Jane	<i>Pittsburgh</i>
Thompson, Helen Leighton	<i>Pittsburgh</i>
Weihe, Lillian Margaret	<i>Connellsville</i>
Woodrow, Grace DeHaven	<i>Pittsburgh</i>

Certificates Granted in 1916

MUSIC

McWilliams, Mildred Margaret, A.B.	<i>Pittsburgh</i>
Norman, Elfa	<i>Kittanning</i>
Robb, Mary Kathryn	<i>Pittsburgh</i>
Steele, Helen Elizabeth	<i>Pittsburgh</i>

SOCIAL SERVICE

Bair, Ethel Cordelia	<i>Edgewood Park</i>
Bannerot, Alberta Emma	<i>Pittsburgh</i>
Boale, Frances Eleanor	<i>Vandergrift</i>
Gaw, Edna McConnell	<i>Pittsburgh</i>
Greer, Alice Margaret	<i>Canonsburg</i>
Laidlaw, Alice Marie	<i>Edgewood Park</i>
Martin, Melba R.	<i>Pittsburgh</i>
South, Seba Graham	<i>Sewickley</i>
Woodrow, Grace DeHaven	<i>Pittsburgh</i>

Students in 1916-17

GRADUATE STUDENTS

Marsh, Rose Guthrie, Bryn Mawr, A.B. *English Literature*
 Paul, Mary Jane, Vassar, A.B. *Social Service*
 Robb, Mary Kathryn, Pennsylvania College for Women, A.B. . . . *Music*

SENIORS

Bailey, Carrie Elwena	<i>Monongahela</i>
Balsiger, Mary Edna	<i>Leechburg</i>
Claster, Leah	<i>New Kensington</i>
Crandall, Martha Johnson	<i>Warren</i>
Dunbar, Martha Belle	<i>Burgettstown</i>
Eggers, Dorothy Ursula	<i>Pittsburgh</i>
Errett, Jane Elizabeth	<i>Carnegie</i>
Gokey, Clara Ruth	<i>Jamestown, N. Y.</i>
Keck, Anna Katherine	<i>Greensburg</i>
Law, Ruth Jane	<i>Pittsburgh</i>
McClelland, Elizabeth Day	<i>Pittsburgh</i>
MacKenzie, Katherine Butz	<i>Aspinwall</i>
Pardee, Helen Louise	<i>Pittsburgh</i>
Reinecke, Louise	<i>Pittsburgh</i>
Shepard, Estelle	<i>Pittsburgh</i>
Spriggs, Ada Marian	<i>Washington</i>
Stoebener, Margaret Dorothy	<i>Pittsburgh</i>
Van Eman, Aline Willard	<i>Pittsburgh</i>

JUNIORS

Alexander, Rachel Longwell	<i>Washington</i>
Cornelius, Kamala	<i>Madras, India</i>
Davidson, Naomi Mollie	<i>Pittsburgh</i>
Eggers, Elizabeth Voegtly	<i>Pittsburgh</i>

JUNIORS—CONTINUED

Evans, Esther White	<i>Pittsburgh</i>
Fournier, Eulalia	<i>Beaver Falls</i>
Fuller, Eleanor	<i>Wilkinsburg</i>
Goldsmid, Elinor	<i>Pittsburgh</i>
Hill, Janet Lockhart	<i>Pittsburgh</i>
Hunker, Charlotte Marie	<i>Bellevue</i>
Jeffers, Lora Virginia	<i>Crafton</i>
Kates, Emily Serle	<i>Pittsburgh</i>
Kauffman, Ruth May	<i>Pittsburgh</i>
Logan, Ruth Douglas	<i>Wilkinsburg</i>
Long, Ruth Isabel	<i>Wilkinsburg</i>
Marks, Annetta	<i>Pittsburgh</i>
McKenzie, Elizabeth Catharine	<i>New Cumberland, W. Va.</i>
Minor, Dorothy Simpson	<i>Pittsburgh</i>
Myers, Kathrynne Hannah	<i>Pittsburgh</i>
Paul, Josephine Brown	<i>Pittsburgh</i>
Sheppard, Elizabeth Woolslayer	<i>Pittsburgh</i>
Sterling, Elizabeth Winona	<i>Masontown</i>
Temple, Martha Agnew	<i>Washington</i>
Van Kirk, Lorena Ann	<i>West Newton</i>
Wolf, Rachel Olive	<i>Pittsburgh</i>

SOPHOMORES

Ailes, Helen	<i>Donora</i>
Austen, Ruth Hazel	<i>W. Etna</i>
Bell, Helen Mary	<i>Edgewood</i>
Black, Winifred	<i>Pittsburgh</i>
Brand, Margaret	<i>Pittsburgh</i>
Brownlee, Martha Foster	<i>Washington</i>
Clark, Dorothy	<i>Pittsburgh</i>
Cox, Viola H.	<i>Donora</i>
Crawford, Mary Alice	<i>Sewickley</i>
Crouse, Sarah Dora	<i>Sharpsburg</i>
Davis, Mary Ethel	<i>Homestead</i>
Errett, Marjorie Russell	<i>Carnegie</i>
Farr, Florence M.	<i>Avalon</i>
Findley, Bryson	<i>Pittsburgh</i>

SOPHOMORES—CONTINUED

Hamilton, Margaret Elizabeth	<i>Edgewood</i>
Hooft, Virginia Loney	<i>Pittsburgh</i>
Jefferson, Margaret Christelle	<i>Aspinwall</i>
Leopold, Henrietta	<i>Pittsburgh</i>
MacMillan, Ruth Lovinia	<i>Latrobe</i>
McEllroy, Elinor Harriet	<i>Edgewood</i>
Philput, Mary Frances	<i>Pittsburgh</i>
Richards, Mary Margaret	<i>Morganfield, Ky.</i>
Rogers, Augusta G.	<i>Lexington, Ky.</i>
Sander, Dorothea Lloyd	<i>Pittsburgh</i>
Sheppard, Jane Lois	<i>Pittsburgh</i>
*Smith, Margaret Emilie	<i>Latrobe</i>
Stevenson, Elizabeth Plumer	<i>W. Newton</i>
Taber, Laura Hathaway Nye	<i>Pittsburgh</i>
Thoburn, Margaret	<i>Ben Avon</i>
Weston, Eva May	<i>Gallitzin</i>
Workman, Margaret	<i>Washington</i>

FRESHMEN

Aspinwall, Julia V.	<i>Pittsburgh</i>
Bardsley, Eleanor Marshall	<i>Bridgeville</i>
Brosius, Grace Alice	<i>Crafton,</i>
Caughey, Catharine Bell	<i>McKeesport</i>
Crane, Willard	<i>Pittsburgh</i>
Criste, Rita Agnes	<i>Pittsburgh</i>
Cukerbaum, SorlyHelen	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Davis, Elizabeth M.	<i>Pittsburgh</i>
Felmeth, Edna Cordella	<i>Pittsburgh</i>
Fleming, Elizabeth Windber	<i>Ebensburg</i>
Fournier, Gladys Margaret	<i>Beaver Falls</i>
Fredericks, Doris M.	<i>Los Angeles, Cal.</i>
Graham, Clara Williams	<i>Pittsburgh</i>
Hare, Margaret Chalfant	<i>Pittsburgh</i>

* Deceased.

FRESHMEN—CONTINUED

Hartman, Esther Katherine	<i>Pittsburgh</i>
Henry, Hazel Viola	<i>Washington</i>
Herron, Mary Elsie	<i>Washington</i>
Hill, Dorcas Elizabeth	<i>Scottdale</i>
Jamison, Mary Elizabeth	<i>Ellwood City</i>
Knox, Mildred Almira	<i>Bellevue</i>
Kutscher, Helen Vandergrift	<i>Braddock</i>
Lobmiller, Jane Kathryn	<i>Wellsburg, W. Va.</i>
Lowman, Ruth Miller	<i>Pittsburgh</i>
McFarland, Katharine Russell	<i>Pittsburgh</i>
McKee, Anna Siemon	<i>Pittsburgh</i>
Marriott, Julia Barnett	<i>Latrobe</i>
Miller, Clara Russell	<i>Pittsburgh</i>
Moore, Margaret Catherine	<i>Pittsburgh</i>
Morris, Rosalie Mary	<i>Pittsburgh</i>
Nair, Lilian	<i>Canton, Ohio</i>
Newell, Elinor	<i>Crafton</i>
Norman, Mary Rose Catherine	<i>Pittsburgh</i>
Penn, Katherine E.	<i>Morganza</i>
Perry, Ethel Lois	<i>Pittsburgh</i>
Phillippe, Isabelle Mary	<i>Pittsburgh</i>
Rutherford, Dorothy	<i>Washington</i>
Shipley, Bessie Hewitt	<i>Pittsburgh</i>
Stevenson, Mary Luella	<i>West Newton</i>
Trimble, Mary Hamil	<i>Ben Avon</i>
Vollkommer, Dorothy L.	<i>Pittsburgh</i>
Weirich, Loretta Elizabeth	<i>Washington</i>
Wilcox, Virginia Elizabeth	<i>Wilkinsburg</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>
Woodburn, Ruth	<i>Avalon</i>

UNCLASSIFIED STUDENTS

Students carrying twelve hours or more in college classes, candidates for certificates or for classification as regular students:

Allen, Mary Cathlou	<i>Texline, Texas</i>
Applestein, Lillian Dorothy	<i>Pittsburgh</i>
Armstrong, Margaret Imogene	<i>Vandergrift</i>
Armstrong, Marie Lang	<i>Pittsburgh</i>
Barnhart, Catharine Agnes	<i>Greensburg</i>
Bigg, Ida	<i>Latrobe</i>
Blatt, Cecelia Marian	<i>Pittsburgh</i>
Buck, Rachel Regina	<i>Edgewood</i>
Fellabom, Alice B.	<i>Pittsburgh</i>
Forsyth, Mary Elizabeth	<i>Monongahela</i>
Hackney, Virginia	<i>Uniontown</i>
Hartzel, Gertrude Edna	<i>Edgewood</i>
Iseman, Geraldine	<i>Ellwood City</i>
Jacob, Dorothy	<i>Pittsburgh</i>
Jarecki, Valeska Strunz	<i>Sandusky, Ohio.</i>
Johnson, Gwendolyn E.	<i>Jamestown, N. Y.</i>
Leitch, Helen Elizabeth	<i>Pittsburgh</i>
Lusk, Elizabeth Campbell	<i>Pittsburgh</i>
McCombs, Lois Ferree	<i>Pittsburgh</i>
McGrew, Minnie E.	<i>Pittsburgh</i>
Miller, Estelle	<i>Scottdale</i>
Newlon, Marian E.	<i>New Brighton</i>
Rea, Marianne H.	<i>Pittsburgh</i>
Salinger, Ellinore H.	<i>Parkersburg, W. Va.</i>
Sallows, Marion Elizabeth	<i>Pittsburgh</i>
Seaman, Ruth Miriam	<i>Swissvale</i>
Seaman, Helen Sarah	<i>Swissvale</i>
Shapira, Sara Belle	<i>Pittsburgh</i>
Spira, Jeanette Nancy	<i>Centerburg, Ohio</i>
Steele, Elizabeth	<i>Pittsburgh</i>
Stoess, Frieda M.	<i>Pittsburgh</i>
Taylor, Martha Elizabeth	<i>Edgewood</i>
Tipper, Mary B.	<i>Pittsburgh</i>
Younkins, Florence	<i>Butler</i>

SPECIAL STUDENTS

Barrett, Marie J.	<i>Cleveland, Ohio</i>
Bennett, Helen Adelaide	<i>Pittsburgh</i>
Boehm, Mabel Augusta	<i>Mt. Washington</i>
Bowman, Helen Marr	<i>Edgewood Park</i>
Bruckman, Valerie	<i>Bellevue</i>
Donaldson, Mary	<i>Pittsburgh</i>
Early, Mrs. Geo. P.	<i>Pittsburgh</i>
Fickes, Mary Alice	<i>Avonmore</i>
Hardman Helen	<i>Pittsburgh</i>
Hill, Harriett	<i>Pittsburgh</i>
Hutchison, Mary Wallace	<i>Wilkinsburg</i>
Kidd, Gladys	<i>Pittsburgh</i>
Krebs, Margaret D.	<i>Pittsburgh</i>
Landino, Mrs. S.	<i>Johnstown</i>
Lent, Anna	<i>Pittsburgh</i>
Lent, Grace	<i>Pittsburgh</i>
McCoy, Mary	<i>Pittsburgh</i>
Morse, Chloe Stevens	<i>Wellsburg, W. Va.</i>
Orr, Eleanor	<i>Pittsburgh</i>
Pew, Henrietta	<i>Pittsburgh</i>
Pew, Mary Barr	<i>Pittsburgh</i>
Rowland, Mrs. Willard J.	<i>Pittsburgh</i>
Rowland, Mary G.	<i>Pittsburgh</i>
Slater, Amelia Olive	<i>Wilkinsburg</i>
Tait, Mrs. Idah Beery	<i>Pittsburgh</i>
Ziegler, Janet	<i>Mars</i>

BLANK FORM FOR WILL BEQUESTS

I give and bequeath to the "Trustees of (The) Pennsylvania College for Women in the County of Allegheny," incorporated under the laws of the State of Pennsylvania, the sum of.....
.....dollars;
and the receipt of the Treasurer thereof shall be sufficient discharge to my executors for the same.

INDEX

Admission of Students	11
To Advanced Standing	24
To Freshman Class	12
To Special Courses	25
Alumnae Association	80
Application for Rooms	75
Calendar	3
Certificate Courses	24
Certificates Granted in 1916	83
Correspondence	9
Courses of Instruction	27-61
Art	25, 46
Astronomy	51
Biblical Literature	27
Biology	27
Chemistry	29
Economics	59
Education	31
English	33
Expression	36
French	39
German	40
Greek	43
History and Political Science	44
Italian	47
Latin	47
Mathematics	49
Music	51
Philosophy	55
Psychology	54
Physical Education	56
Physics	57
Social Service	59
Sociology	59
Spanish	61
Spoken English	36
Curriculum Schedule	26
Degrees Conferred in 1916	82

Elective Work	64
Expenses	72
Faculty	5
General Information	68
Graduate Work	25
Lectures	62
Legacy Form	90
Payments	73
Recommendations	80
Regulations for Students	64
Religious and Social Life	77
Requirements for Entrance	12
Requirements for Graduation	64
Scholarships	76
Students in 1916-17	84
Student Activities	78
Trustees	4

Pennsylvania
College for Women
Pittsburgh

Announcements for 1918-1919

Register of Faculty and Students for
1917-1918

Calendar 1918

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
....	....	1	2	3	4	5	....	....	....	....	....	1	2	....	1	2	3	4	5	6	....	1	2	3	4	5	6
6	7	8	9	10	11	12	3	4	5	6	7	8	9	3	4	5	6	7	8	9	7	8	9	10	11	12	13
13	14	15	16	17	18	19	10	11	12	13	14	15	16	10	11	12	13	14	15	16	14	15	16	17	18	19	20
20	21	22	23	24	25	26	17	18	19	20	21	22	23	17	18	19	20	21	22	23	21	22	23	24	25	26	27
27	28	29	30	31	....	....	24	25	26	27	28	....	....	24	25	26	27	28	29	30	28	29	30	....	....	....	....
....	....	....	....	....	....	....	....	....	....	....	....	....	....	31	....	....	....	....	....	....	....	....	....	....	....	....	....
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
....	....	....	1	2	3	4	....	2	3	....	....	....	1	....	1	2	3	4	5	6	....	....	....	1	2	3	....
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13	4	5	6	7	8	9	10
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20	11	12	13	14	15	16	17
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
26	27	28	29	30	31	....	23	24	25	26	27	28	29	28	29	30	31	....	....	....	25	26	27	28	29	30	31
....	....	....	....	....	....	....	30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	....	....	1	2	3	4	5	....	....	....	....	....	1	2	1	2	3	4	5	6	7
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
29	30	....	....	....	....	....	27	28	29	30	31	....	....	24	25	26	27	28	29	30	29	30	31	....	....	....	....

Calendar 1919

[illegible]

Calendar

1918

- 17 September, Tuesday
First semester begins—Enrollment
- 18 September, Wednesday Recitations begin
- 28 November, Thursday . . Thanksgiving vacation begins
- 2 December, Monday, 9:30 A. M. College opens
- 20 December, Friday, 4:30 P. M.,
Christmas vacation begins

1919

- 6 January, Monday, 6:00 P. M. College opens
- 24 January, Friday Mid-year examinations begin
- 3 February, Monday, 9:30 A. M., Second semester begins
- 22 February, Saturday Washington's Birthday
- 21 March, Friday, 4:30 P. M. Spring vacation begins
- 31 March, Monday, 6:00 P. M. College opens
- 28 May, Wednesday Final examinations begin
- 30 May, Friday Memorial Day
- 6 June, Friday, 3:00 P. M. Alumnae Meeting
- 7 June, Saturday Class Day
- 8 June, Sunday, 11:00 A. M. . . . Baccalaureate Sermon
- 9 June, Monday, 8:15 P. M.,
Commencement and President's Reception

Board of Trustees

OLIVER McCLINTOCK.....*President*
 JOHN B. FINLEY.....*Vice-President*
 WILLIAM H. REA.....*Secretary*
 DAVID McK. LLOYD.....*Treasurer*

WM. L. MACEWAN, D.D.

JAMES C. GRAY

MRS. CHAS. H. SPENCER

MRS. WILLIAM S. MILLER

JACOB J. MILLER

JOHN C. ACHESON

W. W. BLACKBURN

JOHN K. McCLURKIN, D.D.

MRS. JOHN I. NEVIN

Standing Committees of the Trustees

Executive Committee: Mr. Blackburn, Dr. MacEwan, Mr. Finley, Mr. Rea, Mrs. Spencer, Dr. Acheson.

Finance Committee: Mr. Finley, Mr. Lloyd, Judge Miller, Mr. Blackburn.

Committee on Faculty and Studies: Dr. McClurkin, Dr. MacEwan, Dr. Acheson, Mrs. Miller, Mrs. Spencer.

Committee on House Visitation: Mrs. Spencer, Mrs. Nevin, Mrs. Miller.

Auditing Committee: Mr. Finley, Dr. MacEwan.

Administrative Officers

- JOHN C. ACHESON.....*President*
A.B., M.A., Center College; LL.D., Central University of Kentucky.
- FLORENCE KELLOGG ROOT.....*Dean*
A.B., M.A., Smith College.
- MARGARET ANN STUART.....*Secretary*

Faculty

- MARY W. BROWNSON*History, Biblical Literature*
A.B., Pennsylvania College for Women; M.A., Washington and Jefferson College.
- GEORGE W. PUTNAM.....*English*
A.B., Grove City College; M.A., Harvard University.
- VANDA E. KERST.....*Spoken English*
Heidelberg University, Ohio; Pupil of S. H. Clark and Mrs. Bertha Kunz Baker, and Curry School of Expression.
- LUELLA P. MELOY.....*Sociology, Economics*
A.B., Pennsylvania College for Women; M. A., Columbia University.
- ALICE DACRE BUTTERFIELD.....*Chemistry*
A.B., M.A., Smith College.
- VIOLET LOUISE HOLCOMB.....*Physics, Philosophy*
A.B., Colorado College; M.A., Radcliffe College.

Faculty

- CHARLES E. MAYHEW.....*Singing*
Worcester County Music School, Worcester, Mass. Pupil of Ivan Morawski.
- ELIZABETH B. WHITE.....*History*
A.B., Cornell University; M.A., University of Wisconsin.
- EDITH G. ELY.....*French*
A.B., Smith College.
- LETITIA BENNETT.....*Mathematics*
B.L., Oberlin College.
- MAE B. MACKENZIE.....*Piano*
Cosmopolitan College of Music, Chicago; Pupil of Victor Heinze, Chicago and Berlin; and Josef Lhevinne, Berlin.
- LAURA C. GREEN.....*Latin, Greek*
A.B., Wellesley College; M.A., Columbia University.
- GABRIEL L. HINES.....*Piano, Composition*
Institute of Musical Art, New York; Mus.B., University of Pennsylvania.
- GEORGE B. LAWSON.....*Education, Psychology*
A.B.; M.A.; D.D. Colgate University.
- MRS. CHARLES E. MAYHEW.....*Sight Singing*
Worcester County Music School, Worcester, Mass. Pupil of Charles E. Mayhew.
- MILDRED J. BEBEE.....*Rhetoric*
Ph.B., University of Vermont.
- JESSIE ELIZABETH MINOR.....*Chemistry, Biology*
B.Sc., Drury College; Ph.D. Bryn Mawr College.

Faculty

- EVELYN C. STARR.....*German, Spanish*
A.B., Vassar College; M.A., Columbia University.
- S. ESTHER HUBBARD.....*Physical Training*
Goucher College, New Haven Normal School of Gymnastics.
- FRANCES J. MERRITT.....*French, Italian*
A.B., University of Pittsburgh.
- MARY MARGUERITE McBURNEY.....*Chemistry, Biology*
A.B., Pennsylvania College for Women.

In order of Appointment.

- FRANCES E. BOALE.....*Assistant in Social Service*
A.B., Pennsylvania College for Women.
- MARY JANE PAUL.....*Assistant in Spoken English*
A.B., Vassar College.

Executive Officers

- GEORGIA PROCTOR, A.B.....*Librarian*
- M. HELEN MARKS, A.B.....*Field Secretary*
- JANET L. BROWNLEE.....*Assistant to the Dean*
- MABEL N. LLEWELYN.....*Assistant to the Secretary*
- ELLA M. MARSHALL.....*Resident Nurse*
- LENITA R. McCONNELL.....*House Director, Berry Hall*
- MRS. ELIZABETH A. ROWE.....*House Director, Woodland Hall*
- *MRS. MELLIE C. WOODWARD....*House Director, Woodland Hall*
- JOHN KEEFE.....*Superintendent of Grounds*

*Second Semester.

Faculty Organization

DR. ACHESON.....	<i>President</i>
MISS ROOT.....	<i>Dean</i>
DR. LAWSON.....	<i>Secretary</i>

Standing Committees

Cabinet: The President, the Dean, the Secretary, Miss Brownlee, Miss Brownson, Miss Ely, Miss Meloy.

Curriculum: The Dean, Miss Holcomb, Miss Marks, Dr. Minor, Miss Starr.

Scholarship: The Dean, Miss Bebee, Miss Bennett, Miss Brownson, Miss MacKenzie.

Documents: Miss White, Dr. Lawson, Miss Stuart.

Library: Miss Green, Dr. Minor, Miss Proctor.

Public Occasions: The Dean, Miss Brownlee, Miss Butterfield, Mr. Hines, Miss Kerst, Mr. Mayhew.

Dormitory: Miss Brownlee, Miss Ely, Miss Hubbard.

Correspondence

In the list below are the names of persons to whom communications of various types should be addressed.

Admission of Students: Florence Kellogg Root, Dean.

Questions Relating to Health, Scholarship, or General Welfare of Students:
The Dean.

Requests for Catalogues or Other Information: M. Helen Marks, Field Secretary.

Business Matters: Margaret A. Stuart, Secretary.

Pennsylvania College for Women

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania for an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a center of liberal education, and a campus of about eleven acres was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active cooperation of many interested friends. The charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the required courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892. A Music Hall was added to this building in 1897. Woodland Hall was opened as a College House in September, 1909.

Admission of Students

APPLICATION FOR ADMISSION

Each candidate for admission must fill out and return to the College application cards which will be furnished on request. Each application must be accompanied by a registration fee of five dollars which is credited on the first payment. This fee is forfeited if the applicant withdraws or if for just cause the College finds it necessary to cancel the registration.

To reserve rooms for the college year beginning in September, students in residence the previous college year must send to the Secretary before August 10th the required fee of \$5.00. This fee is credited on the first payment if the student returns; if she does not return it is forfeited.

Candidates for advanced standing whose credentials admit them to Junior or higher rank, will take precedence of candidates for the Freshman class in the assignment of rooms. All other students will be assigned rooms in order of application.

There are a few double rooms, but the bed-rooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for students from *the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness of one month or longer, when the loss for board and room will be equally shared.*

METHODS OF ADMISSION

Admission to the Freshman class is by one of the following methods:

(a) EXAMINATION. Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examinations at the College.

(b) CERTIFICATE FROM ACCREDITED SCHOOLS. Instead of examination, certificates from high schools and academies whose work has been approved by the College and whose courses prepare for the Freshman class, will be accepted. Blank forms of such certificates may be obtained from the Dean or the Field Secretary. Application for membership in the Freshman class should be made as early as possible, in order to insure the prompt completion of all preliminary arrangements. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION

Fifteen units are required for admission to the Freshman class. A unit represents a study continued throughout a year of thirty-six weeks in a secondary school, with five recitations a week, constituting approximately a quarter of a full year's work. The required fifteen units must include English (three units), Foreign Languages (four units—two of these must be in Latin; two in either French, German, Greek or Spanish), History (one unit), Mathematics (two and one-half units—Algebra, one and one-half units; Plane Geometry, one unit). In addition to the above, the student must present four and one-half units from the following list of subjects: Civics, English,

French, German, Greek, History, Latin, Mathematics, Science, Spanish, Theory of Music.

One unit only in Music may be offered. Less than two units in any language will not be accepted. More than four units in any department will not be accepted.

ENGLISH

Three units required.

(a) COMPOSITION. Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them in the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

(b) LITERATURE. The books recommended are those listed in the Uniform College Entrance Requirements in English, for classes entering in 1916-1919, but other similar books will be accepted as equivalents. Study should include a knowledge of subject-matter and structure, and some acquaintance with the lives of the authors and the period in which they lived, but books listed under B call for more detailed treatment than those under A.

A. Reading Groups:

GROUP I (two to be selected)—*The Old Testament*, including the most important narrative parts of *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; the *Odyssey*, with the omission of Books I-V, XV-XVII; the *Iliad*, with the omission of Books XI, XIII-XV, XXI; Virgil's *Aeneid*. Eng-

lish translations of the *Odyssey*, the *Iliad*, and the *Aeneid*, of acknowledged literary merit, must be used.

Additional units from Groups II-V may be substituted for the two units of this group.

GROUP II—Shakespeare: *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like it*, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, **Julius Caesar*, **Macbeth*, **Hamlet*.

GROUP III—Prose Fiction. Malory: *Morte d'Arthur* (about 100 pages); Bunyan: *Pilgrim's Progress*, Part I; Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe: *Robinson Crusoe*, Part I; Goldsmith: *Vicar of Wakefield*; Frances Burney: *Evelina*; Scott's Novels: any one; Jane Austen's Novels: any one; Maria Edgeworth: *Castle Rackrent*, or *The Absentee*; Dickens' Novels: any one; Thackeray's Novels: any one; George Eliot's Novels: any one; Mrs. Gaskell: *Cranford*; Kingsley: *Westward Ho*, or *Hereward the Wake*; Reade: *The Cloister and the Hearth*; Blackmore: *Lorna Doone*; Hughes: *Tom Brown's Schooldays*; Stevenson: *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels: any one; Poe: *Selected Tales*; Hawthorne: *The House of the Seven Gables*, or *Twice Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

GROUP IV—Essays, Biography, etc. Addison and Steele: *The Sir Roger de Coverley Papers*, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell: Selections from the *Life of Johnson* (about 200 pages); Franklin: *Autobiography*; Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey: *Life of Nelson*; Lamb: Selections from the *Essays of Elia* (about 100 pages); Lockhart: Selections from the *Life of Scott* (200 pages); Thackeray: *Lectures on Swift*, Addison and Steele in the *English Humorists*; Macaulay: Any one; Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, *Frederic the Great*, *Madame d'Arblay*; Trevelyan: Selections from the *Life of Macaulay* (200 pages); Ruskin: *Sesame and Lilies*, or Selections (150 pages); Dana: *Two Years Before the Mast*; Lincoln: Selections, including the two *Inaugural Addresses*, the *Speeches in Independence Hall* and at *Gettysburg*, the *Last Public Address*, *The Letter to Horace Greeley*,

*If not chosen for study under B.

together with a brief memoir of *Lincoln*; Parkman: *The Oregon Trail*; Lowell: *Selected Essays* (150 pages); Holmes: *Autocrat of the Breakfast Table*; Stevenson: *An Inland Voyage and Travels with a Donkey*; Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlett, Emerson and later writers; a collection of *Letters* by various standard writers.

GROUP V—Poetry. Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen under B); Goldsmith: *The Traveller* and *The Deserted Village*; Pope: *The Rape of the Lock*; a collection of English and Scottish *Ballads*, as, for example, some *Robin Hood* ballads, the *Battle of Otterburn*, *King Estmere*, *Young Beicham*, *Berwick and Garhame*, *Sir Patrick Spens*, and later ballads; Coleridge: *The Ancient Mariner*, *Christabel*, and *Kulba Khan*; Byron: *Childe Harold*, Cantos III and IV, and the *Prisoner of Chillon*; Scott: *The Lady of the Lake*, or *Marmion*; Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good news from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *the Pied Piper*, "*De Gustibus*," *Instans Tyrannus*; Arnold: *Sohrab and Rustum*, and *The Forsaken Merchant*; selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow and Whittier.

B. Study and Practice:

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I—Drama. Shakespeare: *Julius Caesar*, or *Macbeth*, or *Hamlet*.

GROUP II—Poetry. Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III—Oratory. Burke: *Speech on Conciliation with America*; Macaulay: *Speeches on Copyright*; Lincoln: *Speech at Cooper Union*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*.

GROUP IV—Essays. Carlyle: *Essay on Burns*, with a selection from Burns' *Poems*; Macaulay: *Life of Johnson*; Emerson: *Essays on Manners*.

FOREIGN LANGUAGES

FRENCH

(a) A knowledge of the fundamental principles of grammar is required. Inflection of nouns, adjectives, the use of all pronouns, conjugation of regular verbs and the common irregular verbs and the elementary rules of word order. Reading and translation of not less than 100 pages of easy modern French. Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read. (One unit.)

(b) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories and plays, with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into idiomatic French. This ability may be acquired by constant practice in oral and written reproduction of the contents of the texts

read, and by easy exercises in French composition. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) Further study along the lines already indicated. A thorough review of the grammar accompanied by the use of a good text book in French prose composition. Reading and translation of from 300 to 400 pages of more difficult French, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class. (One unit.)

GERMAN

(a) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order. Reading and translation of not less than 100 pages of easy modern German prose. Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read. (One unit.)

(b) Further study of grammar, particularly of syntax, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than two hundred pages of modern stories and plays with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into German. This ability may be acquired by constant practice in oral and written reproductions of the contents of the texts read, and by easy exercises in German prose composition. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) Further study along the lines already indicated. A thorough review of the grammar, accompanied by the use of a good text book in German prose composition. Reading and translation of from 300 to 400 pages of more difficult German. It is recommended that half of this amount be selected from simpler works of the classical period. Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class.

(One unit.)

(d) ADVANCED GERMAN. The work of the advanced course should comprise the reading of about 500 pages of good literature in prose and poetry, reference readings upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German. The student should be able, at the end of the course, to read, after brief inspection, any German literature of the last 150 years that is free from any unusual textual difficulties, to put into German a passage of simple English prose, to answer in German questions relating to the lives and works of great writers studied, and to write in German a short independent theme upon some assigned topic. Suitable texts for the fourth year are Goethe's, Schiller's, and Lessing's *Works and Lives*.

(One unit.)

GREEK

(a) GRAMMAR AND COMPOSITION. The topics required are similar to those under Latin Grammar and Composition.

(One unit.)

(b) XENOPHON. *Anabasis*, Books I-IV. The examination will include translation at sight.

(One unit.)

(c) HOMER. *Iliad*, Books I-III (omitting II, 494-end). The examination will include translation at sight.

(One Unit.)

LATIN

Two units required.

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. A thorough knowledge of all regular inflections, all common irregular forms, the fundamental principles of syntax, and a satisfactory vocabulary. (One unit.)

(b) CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or Nepos, *Lives*; prose composition; sight translation.

(One unit.)

(c) CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters; or from Sallust's Catiline and Jugurtha, except that the orations for the Manilian Law and for Archias are required, prose composition; sight translation. The applicant will also be examined in advanced prose composition.

(One unit.)

(d) VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid*, Books I, II and either IV or VI are required.

(One unit.)

SPANISH

A thorough knowledge of the rudiments of grammar, including the inflection of the regular and the more common

irregular verbs; the inflection and use of personal pronouns, adverbs, adjectives, prepositions and conjunctions; the order of words in the sentence and the elementary rules of syntax. Reading and translation of from 100-175 pages of graduated texts with constant practice in free reproduction in Spanish of what has been read. Ability to write Spanish from dictation and to read aloud intelligently with correct pronunciation. (One unit.)

HISTORY

One unit required.

(a) ANCIENT HISTORY. With emphasis upon Greek and Roman history, but including an introductory study of earlier nations and a survey of important events in the mediaeval period to 800 A. D. (One unit.)

(b) MEDIAEVAL AND MODERN HISTORY. With emphasis upon the Renaissance movement, and the constitutional and social development of modern nations. (One unit.)

(c) ENGLISH HISTORY. With emphasis upon social and political factors of national development. (One unit.)

(d) AMERICAN HISTORY. With an outline study of Civil Government. (One unit.)

It is assumed that any subject offered for entrance credit represents a full unit in value—that is, five class exercises a week for one year. A text-book of not less than 500 pages should have been used, supplemented by an equal amount of collateral reading, constant reference to maps, and the preparation of written or verbal reports upon assigned topics.

MATHEMATICS

Two and one-half units required.

(a) ALGEBRA. Factors, common divisors and multiples, theory of exponents, imaginaries. Fractions, radicals, including the extraction of square root of polynomials and of numbers. Equations involving radicals, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. (One unit.)

(b) QUADRATICS AND BEYOND. Quadratic equations, both numerical and literal, containing one or more unknown quantities. Problems depending on quadratic equations. Graphs. Binomial theorem for positive integral exponents. Arithmetical and geometrical progressions. (One-half unit.)

(c) PLANE GEOMETRY. The theorems and constructions of the five books of good texts. There should be constant practice in original demonstrations and exercises. (One unit.)

(d) SOLID GEOMETRY. The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids. (One-half unit.)

NOTE: It is very important that students review both Algebra and Geometry in their last preparatory year.

MUSIC

Examination at the College in September. Either A, Harmony; or B, a combination of a less advanced requirement in theory with a practical study—piano, voice, violin, organ or other orchestral instrument, will be accepted.

A. HARMONY. The examination will be adapted to the proficiency of those who have had one year's systematic training with at least three lessons a week, or its equivalent. The candidate should have acquired the ability:

1. To harmonize in four vocal parts simple melodies of not less than eight measures involving the use of triads and inversions, of diatonic seventh chords and inversions in the major and minor modes; and of modulation to related keys.

2. To analyze chords of the ninth, all non-harmonic tones and altered chords, including augmented chords. The student will be expected to have full knowledge of the rudiments of music, scales, intervals and staff notation, including the terms and expression marks in common use.

B. The following requirement in theory, combined with piano, voice, violin, or other orchestral instruments. The examination in theory will be adapted to the proficiency of those who have had one year's systematic training with at least one lesson a week, or its equivalent. The candidate should have acquired:

1. A knowledge of the rudiments of music, scales, intervals, and staff notation, including the terms and expression marks in common use.

2. The ability to analyze the harmony and form of hymn tunes and simple pieces for the piano, involving triads and the dominant seventh and their inversions, passing tones and modulation to related keys.

3. The ability to harmonize in four vocal parts, melodic fragments involving the use of triads and the dominant seventh chord, and their inversions, in the major keys.

4. An examination in practical music, piano, organ, violin or voice.

SCIENCES

BOTANY

The general principles of anatomy and morphology, physiology and ecology. Two-thirds of the time should be devoted to individual laboratory work recorded by description and diagrammatically accurate drawings.

(One-half unit.)

CHEMISTRY

The study of at least one standard text book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elementary chemistry. Laboratory work, substantially that outlined in Document 25 of College Entrance Board, recorded in a note book, certified by the teacher to be the original work of the student. This note book must be presented upon request.

(One unit.)

PHYSICS

The study of a standard text book, the equivalent of Milliken and Gale's *First Principles in Physics*, for the purpose of obtaining a connected and comprehensive view of the subject. Instruction by lecture table demonstrations

of the practical aspects and applications of the fundamental phenomena and laws of physics. Laboratory work, including at least thirty experiments recorded in a note book certified by the instructor to be the original work of the student. These experiments should be chosen to give forceful illustration of the most important facts and laws of mechanics, heat, light and electricity. Four recitations and two hours of laboratory work each week for one year. (One unit.)

ADMISSION TO ADVANCED STANDING

Students from other colleges whose entrance requirements are equivalent to those of Pennsylvania College for Women and which offer equivalent courses of study will be credited with the work they have done in such colleges and admitted to advanced standing without examination on presentation of a formal statement from the proper authorities. All others who desire advanced credit must pass examinations in subjects offered as college work. No student will be admitted to candidacy for the baccalaureate degree after the beginning of the senior year.

CERTIFICATE COURSES

In the Music, Social Service, and Spoken English Departments, courses leading to certificates have been planned. These courses are opened to students registered for the A. B. degree, and involve for them only the recognition of a major in these subjects, together with further electives in their preferred field, but relieve them of none of their required work. A graduate may not receive more than one certificate in addition to the degree.

Students not candidates for degrees may register for certificates, provided they can meet the requirements for admission to the Freshman class, or have had such training

as will warrant their admission to college classes. The College welcomes, as students, persons of mature age and earnest purpose.

Further information in regard to certificate courses may be obtained from pages 55, 62, 65 in this catalogue.

STUDENTS NOT IN REGULAR COURSES

Students may receive instruction without becoming candidates for a degree or certificate, but are permitted to enter only those classes for which their previous training has fitted them. They are required to consult with the Dean concerning their courses.

ART

A well known local artist, Miss Anna Craig, has a studio in the building. Instruction is given in illustrating, painting, sketching and design. All arrangements in regard to lessons should be made with Miss Craig.

GRADUATE WORK

The degree of Master of Arts is conferred upon those who hold the Bachelor's degree of this College or of some other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the faculty that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a Master's diploma is \$10.00.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English <i>Course D</i> 3 hours	Bible <i>Course C</i> 3 hours	Psychology 3 hours	
Mathematics <i>Course D</i> 3 hours	Physics or Chemistry 3 hours	Spoken English 1 hour	Elective 15 hours
Language 3 hours	Language 3 hours	Elective *11 hours	
History <i>Course D</i> 3 hours	Elective 6 hours		
Elective 3 hours			
15 hours	15 hours	15 hours	15 hours

*A three-hour course in English Literature must be elected in the Sophomore, Junior, or Senior year.

Courses of Instruction

BIBLICAL LITERATURE

MISS BROWNSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of Sophomores. Three hours through the year.

1. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the Apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective; open to Juniors and Seniors. Two hours, through the year.

BIOLOGY

DR. MINOR, MISS MCBURNEY

1-2. GENERAL BIOLOGY. Two lectures and one recitation a week, supplemented by one laboratory period. The course has been arranged for those who desire a general knowledge of biology, as well as for those who are preparing for advanced work. Field trips will be taken.

Elective; open to all classes. Three hours through the year.

3-4. GENERAL BOTANY. Two lectures and one recitation a week, supplemented by one laboratory period.

Elective; open to all classes. Three hours through the year. Given in alternate years.

5. SYSTEMATIC INVERTEBRATE ZOOLOGY. Lectures, discussions, laboratory work.

Elective; open to all classes. Three hours, first semester. Given in alternate years.

6. VERTEBRATE ZOOLOGY. The student becomes familiar with a series of types of vertebrates, studying the comparative anatomy and progressive modifications of a fish, reptile, frog, bird and mammal.

Elective. Prerequisite: Course 5. Three hours, second semester. Given in alternate years.

9. DENDROLOGY. A study of our common trees. The class hour will be spent in field work whenever the weather is pleasant.

Elective. Two hours, first semester.

10. ORNITHOLOGY. Lectures on the habits, homes and coloration of birds. Field trips.

Elective. Two hours, second semester.

CHEMISTRY.

MISS BUTTERFIELD, DR. MINOR, MISS MCBURNEY

1. GENERAL INORGANIC CHEMISTRY. Lectures and recitations, supplemented by one three-hour laboratory period.

Three hours, first semester.

2. QUALITATIVE ANALYSIS. Lectures, recitations, laboratory work.

Elective. Prerequisite: Course 1. Three hours, second semester.

Courses 1 and 2, or Course 1-2 in physics, required of students in the freshman or sophomore year.

3. ORGANIC CHEMISTRY. Lectures and recitations upon typical organic compounds, their constitution, synthesis, relations, and transformations. One three-hour laboratory period.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. QUANTITATIVE ANALYSIS. Lectures and laboratory work. This course is especially designed for those students who wish to take up industrial analytical chemistry.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. PHYSICAL CHEMISTRY. Lectures and recitations.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

7. SANITARY CHEMISTRY. A study of the application of chemistry to problems of public health.

Elective. Prerequisite: Courses 3, 4, 5-6. Three hours, first semester.

8. MUNICIPAL AND INDUSTRIAL CHEMISTRY. A study of some of the great industries of Pittsburgh.

Elective. Prerequisite: Course 1-2. With trips, three hours; recitations only, two hours; second semester.

9-10. THE TEACHING OF CHEMISTRY. This course is designed for those intending to teach chemistry, or for

those wishing a comprehensive review of general chemistry with practice in handling special apparatus.

Elective; open to Seniors and to others by special permission. One hour, through the year. An additional hour, with credit, may be taken.

11-12. ADVANCED INORGANIC CHEMISTRY.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

14. ADVANCED QUANTITATIVE ANALYSIS. Laboratory work only.

Elective. Prerequisite: Course 4. Two hours, second semester.

EDUCATION

DR. LAWSON, DEAN ROOT

1-2. HISTORY AND PRINCIPLES OF EDUCATION. The development of educational ideals, institutions and methods with special reference to modern educational thought and practice.

Elective; open to Juniors and Seniors. Three hours, through the year.

3. A STUDY OF THE ELEMENTARY SCHOOL. Application of the results of child-study to the elementary school. The kindergarten. The teaching of the common branches. The vocational school. The junior high school. General method.

Elective; open to Seniors. Three hours, first semester.

4. A STUDY OF THE MODERN HIGH SCHOOL. A practical course in discussion of school activities and consideration of class room method and management. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. Two hours, second semester.
An additional hour, with credit, may be taken.

5-6. By co-operation between the departments of Social Service and Education, advanced students in both departments may have opportunity to study some lines of social work open to educational investigation and of practical value to teachers.

Elective; open to Seniors. One hour, through the year.

Courses in teaching are provided in the departments of Chemistry, English, History, Mathematics and Physics.

The diplomas of students who have taken the 200 hours of educational work required by the school code are countersigned by the school authorities. The courses in other departments which may be counted to meet the state requirements are Philosophy 1, 2, 3, 4, 5 and 6; History 12; Mathematics 8; Chemistry 9-10; English 19; Physics 9-10.

Graduates of the College receive teachers' certificates for Pennsylvania, under the school code. Arrangements have also been made with the New York State Board of Education whereby graduates receive the College Graduates' Professional Certificates. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

ENGLISH

MR. PUTNAM, DEAN ROOT, MISS BEBEE

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text book. Class room discussions. Individual conferences.

Required of Freshmen. Three hours through the year. An additional hour required of students who are failing to carry satisfactorily the work of this course.

1. THE SHORT STORY. A reading course in the literature of the short story. A study of its nature and development as a separate form. Assigned readings. Criticisms. Discussions.

Elective; open to Freshmen and Sophomores. Three hours, first semester.

2. SHAKESPEARE. An intensive study of the idiom, poetry, dramatic structure, and character method of Shakespeare.

Elective; open to Freshmen and Sophomores. Three hours, second semester.

3. CHAUCER. A study of the language and literature of Chaucer. Lectures on his life and times. Additional readings from the poetry of the age of Chaucer.

Elective; open to Sophomores. Three hours, first semester.

4. WORDSWORTH, TENNYSON AND BROWNING. A study in their contrasted styles and philosophies. Discussions. Reports. Lectures.

Elective; open to Sophomores. Three hours, second semester.

5-6. COMPOSITION, ADVANCED. Practice in the different types of expression, oral and written, with the purpose of enabling a student with talent to find her field for specialization.

Elective; open to all but Freshmen. Two hours, through the year.

7-8. COMPOSITION, SPECIALIZED. Intensive work in any one of the following courses: Newspaper and Magazine Writing; Drama and the Photo-Play; Short-Story; Versification.

Elective. Prerequisite: Proof of marked ability. One hour, through the year.

9. AMERICAN LITERATURE. An outline study of the development of American literature. Lectures. Assigned readings.

Elective; open to Juniors and Seniors and to Sophomores by permission of the instructor. Three hours, first semester. Given in alternate years.

10. NINETEENTH CENTURY POETRY. A study of the romantic movement in English poetry from Burns to Kipling. Lectures. Assigned readings. Critical reports.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

11-12. THE NOVEL. A study of the origin and development of prose fiction. Assigned reading of complete masterpieces of the representative novelists, beginning with Beowulf. Reports. Lectures.

Elective; open to Juniors and Seniors. Three hours, through the year.

13-14. ANGLO-SAXON. A reading course. The grammar and language of Old English. The first semester devoted to Anglo-Saxon prose, and the second semester to Beowulf. The course requires some knowledge of German and is recommended to students majoring in German.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

15-16. THE DRAMA. An intensive study of the origin and development of the English drama. Lectures. Readings from the great dramatists.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

17-18. BROWNING. A seminar in the poetry and philosophy of Robert Browning. Lectures. Papers. Discussions.

Elective; open to Seniors. One hour, through the year.

19. THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. A practical course in methods of presentation of subject matter. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. One hour, second semester.

21-22. PRINCIPLES OF ARGUMENTATION AND DEBATE.

Elective; Two hours through the year.

FRENCH

MISS ELY, MISS MERRITT

1-2. ELEMENTARY COURSE. Grammar, reading, prose composition, phonetic training, conversation. This course is based on a comparison of French and American institutions.

Elective; open to Freshmen and Sophomores who have had no French, or one year of high school French. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of representative short story writers and historians. Résumés of stories read. Advanced grammar, composition, and conversation.

Elective; open to students who have presented two units of French, or have taken Course 1-2. Three hours, through the year.

5-6. LITERATURE OF THE 17TH AND 18TH CENTURIES. Critical study of Racine, Corneille, Molière, Madame de Sevigne, Voltaire, Rousseau, etc. Résumés and composition.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English. Valuable for students preparing for library or similar work.

Elective. Two hours, through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach.
One hour, through the year.

17-18. LITERATURE OF THE 19TH CENTURY. A critical study of Dumas père, Dumas fils, Victor Hugo, de Musset, George Sand, and Balzac. Résumés and composition based upon works read.

Elective. Prerequisite: Course 5-6. Three hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERYDAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. One hour, through the year.

21-22. CONTEMPORARY LITERATURE. Rapid reading of current fiction and drama with discussion of modern tendencies in literature.

Elective. Prerequisite: Course 5-6, or its equivalent.
Three hours, through the year.

GERMAN

MISS STARR

1-2. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective; open to students who do not present German at entrance. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective; open to students who present two units of German, or who have taken Course 1-2. Three hours, through the year.

5-6. CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective; open to students who present three units of German, or who have taken Course 3-4. Three hours, through the year.

7-8. ADVANCED COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms, etymology and syntax.

Elective. Prerequisite: Course 5-6, or its equivalent. Especially recommended to those who expect to teach German. Two hours, through the year.

Course 13-14, Anglo-Saxon, in the English department, is recommended to those who expect to teach German.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of selected periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite: Course 5-6, or its equivalent. One hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of well known authors. Lectures. Essays.

(a) The drama. One hour, through the year.

(b) The novel. Two hours, through the year.

Elective. Prerequisite: Course 5-6.

13-14. CONTEMPORARY LITERATURE. Rapid reading of current fiction and dramas with discussion of modern tendencies in literature. Lectures. Essays.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

19. GOETHE'S LIFE AND WORKS. Survey of his life, with special reference to his prose writings.

Elective; open to Juniors and Seniors. Two hours, first semester.

20. GOETHE'S FAUST. Parts I and II. Development of the Faust legend and the genesis of Goethe's *Faust*.

Elective; open to Juniors and Seniors. Two hours, second semester.

21-22. COLLOQUIAL GERMAN. Discussions and themes based upon German life, customs and travel.

Elective; open by permission to students electing the advanced courses. One hour, through the year.

GREEK

MISS GREEN

1-2. ELEMENTARY COURSE. Grammar, prose composition. Xenophon, *Anabasis*.

Elective; open to all students. Three hours, through the year.

3-4. XENOPHON, ANABASIS (continued), with prose composition. Selections from Homer's *Iliad* and *Odyssey*. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the Homeric Epics by use of the text and translations, supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, *Alcestis*, or *Medea*. Prose composition based upon the prose authors studied.

Elective; open to Freshmen entering with three units of Greek and to students who have completed Course 3-4. Three hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing the origin, development, and decline.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

11-12. PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. One hour, through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course, like that of Latin 11-12, is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is therefore not required.

Elective; open to advanced students. One hour, through the year.

HISTORY AND POLITICAL SCIENCE

MISS BROWNSON, MISS WHITE

D. INTRODUCTORY COURSE. A study of the rise of the nations, and of such topics as feudalism, the crusades, the growth of towns, and the struggles between church and state, from the period of the barbarian invasions to the Renaissance.

Required of Freshmen. Three hours, through the year.

1-2. MODERN EUROPEAN HISTORY, 1500-1815. Emphasis is placed upon the Renaissance movement, the Protestant Reformation, the Revolutionary and Napoleonic periods in France.

Elective. Three hours, through the year.

3-4. EUROPE FROM 1815 TO 1915. This course begins with the Congress of Vienna and closes with a study of the causes of the Great War.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5. AMERICAN CONSTITUTIONAL HISTORY. A study of the Constitution, with reference to its origin, principles, limitations on federal and state powers, application to national problems.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

6. AMERICAN CONSTITUTIONAL GOVERNMENT. A study of the organization and practical working of the national government.

Elective. Prerequisite: Course 5. Three hours, second semester.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding present movements and questions.

Elective. One hour, through the year.

9. INTERNATIONAL LAW. A course designed to aid students in the understanding and discussion of international relations. The study of some important cases will be undertaken.

Elective. Prerequisite: Course 3-4. Three hours, first semester.

10. AMERICAN DIPLOMATIC HISTORY. A survey of the international relations of the United States, including questions of dispute during the last century between the United States and European countries, relations with Latin America and the Far East, the share of the United States in the Hague Conferences.

Elective. Prerequisite: Course 9. Three hours, second semester.

12. TEACHING OF HISTORY. A consideration of the use of historical material, the criticism of text books, and the methods of teaching history in elementary and secondary schools. Opportunity will be given for observation work in city schools.

Elective; open to Seniors. One hour, second semester.

13-14. HISTORY OF ART. Outline of the development of architecture, sculpture and painting. Lectures, readings, study of photographs, trips to Carnegie Institute.

Elective. Two hours, through the year.

15-16. GOVERNMENTAL PRINCIPLES OF MODERN EUROPEAN AND ASIATIC STATES. A comparative study based on the British imperial government.

Elective. Prerequisite: Course 1-2. 2 hours through the year.

ITALIAN

MISS MERRITT

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

LATIN

MISS GREEN

1-2. CICERO, DE SENECTUTE, OR DE AMICITIA; LIVY, selections from Books I, XXI, XXII; Horace, *Odes and Epodes*.

Elective; open to students who present four units of Latin. Three hours, through the year.

3. PLAUTUS AND TERENCE. Selected plays. The development of Roman comedy.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. HORACE, SATIRES AND EPISTLES.

Elective. Prerequisite: Course 1-2. Three hours second semester.

5-6. STUDIES IN PLINY, JUVENAL, TACITUS. Roman society under the early empire.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

7. LYRIC AND ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, Ovid.

Elective; open to Juniors and Seniors. Three hours, first semester. Given in alternate years.

8. LUCRETIUS, DE RERUM NATURA; CICERO, DE NATURA DEORUM. An introduction to the study of Roman philosophy.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

9-10. PROSE COMPOSITION.

Elective; open to Juniors and Seniors. One hour, through the year.

11. THE TOPOGRAPHY AND MONUMENTS OF ROME.

Elective; open to all students. Two hours, first semester.

12. PRIVATE LIFE OF THE ROMANS.

Elective; open to all students. Two hours, second semester.

13-14. CICERO, SELECTIONS; OR, VIRGIL AND OVID, SELECTIONS.

Elective; open to students who present two or three years of Latin or who have completed Course 15-16. Three hours, through the year; four hours required of students inadequately prepared.

15-16. ELEMENTARY LATIN. Grammar, Caesar, Nepos. This course is offered without credit to satisfy Latin entrance requirements in the case of students who have not elected Latin in preparatory schools.

Four hours, through the year.

MATHEMATICS

MISS BENNETT

D-1. SOLID AND SPHERICAL GEOMETRY. Required of Freshmen not offering Solid Geometry for entrance.

Three hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY. Trigonometric analysis, including transformations and proofs of formulae, trigonometric equations and inverse functions. The solution of right, oblique and spherical triangles by means of logarithms.

Required of Freshmen. Three hours, second semester.

1. HIGHER ALGEBRA. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants. Binomial theorem, with proof. Partial fractions. Theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Open to Sophomores and required of Freshmen offering Solid Geometry for entrance. Students intending to pursue courses in higher mathematics are recommended to elect this course. Three hours, first semester.

3. PLANE ANALYTIC GEOMETRY.

Elective. Three hours, one semester.

4. SOLID ANALYTIC GEOMETRY

Elective. Prerequisite, Course 3. Three hours, one semester.

5. DIFFERENTIAL CALCULUS.

Elective. Prerequisite: Courses 3 and 4. Three hours, one semester.

6. INTEGRAL CALCULUS.

Elective. Prerequisite: Course 5. Three hours, one semester.

7. HISTORY OF MATHEMATICS. This course treats of the development of mathematics from the earliest known times. The subjects considered are number systems, numerals, arithmetic, algebra and geometry.

Elective. Two hours, one semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS. This course is intended for those who wish to teach mathematics in high schools. Instruction is given in the explanation of mathematical processes to elementary classes. Opportunity is afforded to observe teaching in the city high schools.

Elective. One hour, second semester.

10. ASTRONOMY. A general study of the phenomena of the sky. The solar and stellar systems. Location of principal constellations.

Elective. Three hours, second semester.

MUSIC

MR. GABRIEL LINCOLN HINES, *Director*

MISS MAE B. MACKENZIE

MR. CHARLES EDWARD MAYHEW

MRS. CHARLES EDWARD MAYHEW

MISS ANNA PRISCILLA RISHER

MR. FRANK J. BROSKÉ

THEORETICAL COURSES

MR. HINES, MISS MACKENZIE, MRS. MAYHEW

1-2. THE ELEMENTS OF NOTATION, SCALES, KEYS, INTERVALS. Melody writing. Elementary harmony; augmented, diminished and chromatic intervals. The study of chords, their construction, relation and progression from the Tonic triad to the Dominant-seventh cord.

Elective. Two hours, through the year. No prerequisites.

3-4. ADVANCED HARMONY. Modulations, various forms of figurations and embellishments. Form, or the detail of order in music. Examples leading up to the application of harmonic material in original exercises in the Homophonic forms of composition.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

5-6. ORIGINAL EXERCISES IN THE SMALLER FORMS OF COMPOSITION. Brief analysis of the larger forms. Elementary counterpoint: Examples in the different orders of counterpoint in two, three and four voices. Harmonizing

and supplying melodious additional voices to melodies used as Canti Firmi.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

7-8. ADVANCED COUNTERPOINT. Fugue, single and double, imitation and canon. Thorough analysis of all the larger forms. Free compositions: Theme and variations. The Rondo and Sonata form.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

9-10. MODERN COMPOSITION. Discussions on the new forms of modern music. The harmony of the French and Russian schools. Orchestration. The nature, compass, tone color and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by the various composers.

Elective. Prerequisite: Course 5-6. One hour, through the year.

11-12. HISTORY OF MUSIC. The development of music from its earliest stages; the rise of church music, opera and oratorio. Biographical sketches of famous composers and their compositions. Open to students taking Course 1-2.

Elective. One hour, through the year.

13-14. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs given in connection with the lectures.

Open to all students. One hour through the year.

All theoretical courses are counted toward the Baccalaureate degree.

PRACTICAL COURSES

Individual lessons are given in Piano, Organ, Violin and other Orchestral instruments, and Voice.

Practical work in Music may be counted toward the Baccalaureate degree, if it is sufficiently advanced in character.

All practical work carrying college credit must be accompanied by theoretical work, and not more than two hours of practical work each year may be so counted.

Two lessons a week with not less than six hours of practice a week count as *two hours*.

One lesson a week with not less than six hours practice a week count as *one hour*.

Lessons are 30 minutes in length.

The practical courses are subject to fees as stated on pages 75 and 76 of the Catalogue.

PIANO

MR. HINES—MISS MACKENZIE

1-2. Technique, a study of scales, arpeggios, chords and octaves. Studies of the grade of Czerny opus 299; Bach Two-Part Inventions; Mozart Sonatas. Selected compositions within the grade and suited to the needs of the student. Special emphasis laid on accurate memorizing.

3-4. Further development of the technique by addition of more complicated exercises and rhythms. Studies of the grade of Cramer-Bulow; the easier sonatas of Beethoven. Classic and modern compositions giving various styles and rhythms.

Prerequisite: Course 1-2 or its equivalent.

5-6. Continued development of a fluent and versatile technique and reliable memory. Studies of the grade of Czerny opus 740; Clementi-Tausig Gradus ad Parnassum; Bach Suites; Beethoven Sonatas. Works of classic, romantic and modern composers.

Prerequisite: Course 3-4 or its equivalent.

7-8. Advanced technical development. Studies by Chopin; Bach Preludes and Fugues; more difficult Sonatas of Beethoven. Selection of compositions suitable for recital, Chopin, Liszt, Schumann, Brahms, Debussy, Rachmaninoff. The study of some standard concerto such as Mendelssohn, Schubert or Saint Saens.

Prerequisite: Course 5-6 or its equivalent.

9-10. Advanced work for graduates or undergraduates who have completed Course 7-8.

SINGING

MR. MAYHEW—MRS. MAYHEW

1-2. ELEMENTARY COURSE. Control of the breath. Development of resonance and beauty of tone in relation to vowel sounds. Studies in the formation of consonants. Ear training; intonation and rhythm. Simple exercises and songs.

3-4. INTERMEDIATE COURSE. Florid exercises; scales, roulades, trills, and other embellishments. Special work in articulation, phrasing, freedom of tone and of facial expression. Advanced vocalises and songs.

5-6. ADVANCED COURSE. Development of style. Interpretation; analysis of thought in song poems. The treatment of different schools of composition. The preparation of recital programs. Special studies; Church, Oratorio, Concert, Opera.

7-8. NORMAL COURSE. Résumé of Elementary, Intermediate, and Advanced Courses. Studies in the causes and treatment of the tremolo (in its different phases), nasality, faulty intonation, etc. Methods in teaching, with opportunity for observation.

9-10. GRADUATE COURSE. Advanced studies in tone production and technique. Preparation of a repertoire of songs and arias of various countries, styles and periods. Coaching for professional work; Comparison of methods; History of Vocal Art.

ORGAN

MISS RISHER

1-2. Manual and pedal technique. Pieces involving the fundamental principles of registration.

For students who have taken Piano 1-2 or its equivalent.

3-4. Mendelssohn's organ works; smaller Preludes and Fugues of Bach; easier works of the modern composers; church service playing.

5-6. Merkel and Rheinberger sonatas; larger works of Bach.

7-8. Continued study of the larger works of Bach; advanced works of the modern French, English and American schools.

VIOLIN

MR. BROSKE

1-2. DEVELOPMENT OF FINGER AND BOW TECHNIQUE. Studies of Sevcik, Sitt, Mazas. Assimilation of the spirit of the various schools of composition, classic and modern. Concertinos, sonatas, salon pieces.

2-3. STUDIES OF SEVCIK, DONT, BROSKE, SITT. Exercises in double stopping, scales, arpeggios, trills, tone production, advanced bowing. Concertos of Viotte, Rode, de Beriot, Kreutzer, David. Various styles of concert pieces.

3-4. ADVANCED STUDIES OF SEVCIK, KREUTZER, FIORILLO. Concertos of Spohr, Mozart, Bach, Godard. Selected works of Vieuxtemps, Hubay. Study of Chamber Music.

4-5. ADVANCED TECHNIQUE. Studies of Rode, artistic études, Mazas, Gavinies. Sonatas of Beethoven, Grieg, Brahms. Concertos of Spohr, Bruch, Mendelssohn.

REQUIREMENTS FOR CERTIFICATE IN MUSIC

(a) Candidates for the B. A. degree who wish also the certificate of the Department of Music are required to take practical music, two lessons a week throughout the four years.

They must also complete courses 1-2, 3-4, 5-6 and 11-12 in theoretical music.

(b) Students not candidates for the B.A. degree who wish the Certificate of the Department of Music are required to take practical music—two lessons a week with not less than 12 hours practice a week. They must complete courses 1-2, 3-4, 5-6 and 7-8 in practical music and courses 1-2, 3-4, 5-6, 11-12, 13-14 in theoretical music.

They must take from 6 to 8 hours per week of academic work as may be decided in consultation with the Dean.

The time occupied in study for the certificate depends upon the ability of the student, her proficiency at the time of entrance and her subsequent diligence; in general three years are necessary.

PHYSICAL EDUCATION

MISS HUBBARD

1-2. GYMNASTICS. Marching; free-hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of Freshmen. One hour, through the year.
Without academic credit.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2, with advanced work.

Required of Sophomores. One hour, through the year.
Without academic credit.

5-6. AESTHETIC DANCING. Dancing technique. Simple aesthetic dancing. Folk dances.

Elective; open to all classes. One hour, through the year. Credit given only for certificates in Social Service, Music and Expression.

7-8. ADVANCED AESTHETIC DANCING. A continuation of course 5-6. A study of the interpretation of music through dancing. Original work required. The dancing skirt will be worn in this class. Course will be given if elected by twelve students.

Elective. Prerequisite: Course 5-6. One hour, through the year. Credit given only to certificate students.

9-10. PLAYS AND GAMES. A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized.

Elective; open to all students. One hour, through the year. Credit given only to certificate students.

11-12. PHYSIOLOGY AND HYGIENE

Elective; open to all students. One hour, through the year.

NOTE: Regulation suit—black bloomers, white blouse and gymnasium shoes. Dancing skirt and ballet slippers requested for courses 5-6, 7-8. Students are advised to bring hockey sticks, tennis rackets, etc., for outdoor work in Fall and Spring.

PHYSICS

MISS HOLCOMB

1-2. GENERAL EXPERIMENTAL PHYSICS. Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems.

Elective; open to students who have not presented Physics at entrance. Three hours, through the year. Three-hour laboratory period. An additional hour is required for students intending to enter professional schools.

This course, or Courses 1 and 2 in Chemistry, required of students in the freshman or sophomore year.

12. GENERAL COURSE. Similar to 1-2, but somewhat more advanced.

Elective; open to students who have offered Physics at entrance. Three hours, first semester.

This course, with Course 7, may be substituted for the required sophomore science.

3. SOUND. The physical theory of sound, musical instruments, and the acoustical properties of buildings. Lecture and recitation course. No laboratory work. This course is offered especially for students in music.

Elective. Two hours, first semester. Given in alternate years.

5. LIGHT. Geometrical optics, interference, diffraction, polarization, spectrum analyses and a brief study of various theories.

Elective. Prerequisite: Course 1-2 or 12. Three hours, first semester. Three-hour laboratory period. This course alternates with Course 7.

6. HEAT. Thermometry, calorimetry, change of state, properties of vapors, elementary thermodynamics, and radiation.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, second semester; alternate years.

7. ELECTRICITY AND MAGNETISM. A further study of the phenomena, theory and practical application of electricity and magnetism.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, one semester. Three hour laboratory period. This course alternates with Course 5.

9-10. GENERAL PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. One hour, through the year. An additional hour, with credit, may be taken.

PSYCHOLOGY AND PHILOSOPHY

DR. LAWSON, MISS HOLCOMB

1-2. GENERAL PSYCHOLOGY. The facts and laws of mental life. An introductory course. Laboratory method.

Required of Juniors. Three hours, through the year.

3. ADVANCED PSYCHOLOGY. Experimental. The intensive study of learning, memory, association, etc. Laboratory work supplemented by lectures and discussions.

Elective. Prerequisite, Course 1-2. Three hours, first semester.

4. EDUCATIONAL PSYCHOLOGY. Experimental. A comprehensive study of the learning process. The application of the principles of psychology to the problem of education. Laboratory work supplemented by lectures and discussions.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5. LOGIC. A study of the principles of inductive and deductive reasoning, and of the relation of logical theory to scientific and philosophic thought.

Elective; open to Juniors. Three hours, second semester.

7. ETHICS. The history of ethical philosophy, and a study of the fundamental principles of morality.

Elective; open to Seniors. Three hours, first semester.

8. INTRODUCTION TO PHILOSOPHY. A brief survey of the scope and the problems of philosophy, with a general outline of its history. Lectures, discussions, collateral readings.

Elective; open to Seniors. Three hours, second semester.

SOCIOLOGY AND ECONOMICS

MISS MELOY, MISS BOALE, MISS PAUL.

7-8. SOCIOLOGY. First semester: Elements of general sociology. Comparison of the views of prominent sociologists. Second semester: Social organization.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

9-10. ECONOMICS. An introduction to principles and to practical economic problems.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

1-2. SOCIAL SERVICE. Theory and observation. Theory: Causes of poverty; social movements for the relief of poverty and for welfare; methods of charity, especially the newer forms of preventive and constructive work. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh.

Elective; open to Sophomores, Juniors and Seniors, and to special students. Three hours, through the year.

3-4. SOCIAL SERVICE. Theory and practice. Theory: Advanced study of social problems and of methods of investigation and social work. Field work, one afternoon weekly. Each student is required to write a thesis showing personal experience and knowledge of methods which she has gained in a special investigation.

Prerequisite: Course 1-2. Open only to candidates for the certificate in Social Service. Three hours, through the year.

5. IMMIGRATION. An outline of the history, causes and problems of American immigration, with practical applications.

Elective; open to all students. Two hours, first semester.

6. SOCIAL LEGISLATION. Development and principles of laws with which social workers must be familiar.

Elective; open to all students. Two hours, second semester.

REQUIREMENTS FOR CERTIFICATE IN SOCIAL SERVICE

The certificate in Social Service is given to special students who complete the Social Service courses with related subjects, together with other recommended collegiate subjects, or to regular students who are candidates for the degree of A. B.

Special students may complete the requirements for the certificate in two years by covering thirty hours of work, including fourteen hours of Social Service and directly related subjects, and sixteen hours in other departments of the college. Required for the certificates are Social Service 1-2, Social Service 3-4, Sociology, Economics, Immigration and Social Legislation—twelve hours; Story Telling, Plays and Games—two hours. Recommended for the sixteen hours of work in other departments of the college are English (Freshman Rhetoric), Psychology, a modern language, Bible C, Hygiene, Aesthetic Dancing, Music (two

half-hour lessons weekly), Current Events. Other college subjects as advised by the head of the department and approved by the Dean, may be accepted. The thesis, which is part of the work of Social Service 3-4, is required.

Regular students may take the certificate by beginning the study of Social Service early in the college course. Such students must provide for the giving of extra time to field work or to the investigation required for the thesis which is part of the work of Social Service 3-4. This extra time may be arranged for during a summer vacation or during the Junior or Senior year.

SPANISH

MISS STARR

1-2. ELEMENTARY COURSE. Grammar, composition, reading, conversation.

Elective; three hours, through the year.

3-4. HISTORY OF LITERATURE. Reading of representative authors. Advanced prose composition.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5- LIFE AND LITERATURE IN SPANISH AMERICA.

Elective. Prerequisite: Course 3-4. Three hours, one semester.

6. DON QUIXOTE. First part.

Elective. Prerequisite: Course 3-4. Three hours, one semester.

SPOKEN ENGLISH

MISS KERST, MISS PAUL

1-2. FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION. Training of the voice for speaking. Analysis and presentation of selections. Two laboratory appointments each semester.

Elective; open to Freshmen. One hour, through the year.

3-4. DEBATE, EXTEMPORANEOUS SPEAKING, INTERPRETATION. Two laboratory appointments each semester.

Elective; open to Freshmen and Sophomores. One hour, through the year.

5-6. INTERPRETATIVE READING. Shakespeare, Browning, Tennyson.

Elective; open to Juniors, and required of those who have not previously studied Spoken English. One hour, through the year.

7-8. ADVANCED TRAINING IN DRAMATICS. The study and presentation of one drama. The cultivation of imagination and dramatic instinct.

Elective; open to Seniors. One hour, through the year.

9. DRAMATIC APPRECIATION. A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays from different periods.

Elective; open to all students. Two hours, through the year.

11-12. **STORY TELLING.** The story as related to child psychology; the origin of story telling; classifying, grouping, adapting, dramatizing and writing of stories. Students will be required to tell stories before the class and outside of College, in schools, settlements, clubs, etc.

Elective. One hour, through the year.

Students' recitals are occasionally given.

Private work in this department may be arranged by consultation with the instructor.

REQUIREMENTS FOR CERTIFICATE IN SPOKEN ENGLISH

(a) Eight hours of college work a year for two years, which must include one year each of History, Psychology, Education and History of Art, and also Physical Training, Courses 5-6, 9-10. A modern language is strongly recommended.

(b) Seven hours of work a year in the departments of English, and Spoken English, for two years, including all the courses offered by the latter department, and two private lessons a week.

(c) The presentation of one public program the first year, and two the second, with the final program at graduation.

Lecturers

1917-1918

Dilworth Hall Commencement,

Rev. Frederick T. Galpin, D.D.

Baccalaureate Sermon Rev. Wm. L. MacEwan, D.D.

College Commencement Dr. John A. Brashear

James Whitcomb Riley Dr. J. H. Bausman

Second Line of Defense Sidney Teller

Electrification of Railroads Norman W. Storer

Doing Your Bit Dr. Wm. M. Davidson

Some Practical Everyday Psychology . . . Dr. H. B. Davis

Lecture Recital, Songs of New England,

Mr. and Mrs. Chas. E. Mayhew

The Peril of Premature Peace Dr. John C. Acheson

A Summer in the Washington Woods . . Dr. O. E. Jennings

The Challenge of Pittsburgh Dr. Daniel L. Marsh

The Birds in Latin Poetry Dean Florence K. Root

Christmas Service Rev. John K. McClurkin

War Friendship Fund Miss Ruth C. Pierson

Happiness Dr. Chas. E. Barker

The Liberty Loan Miss Suzanne Beatty

Pittsburgh Filtration Plant Chester Drake

The Musical Alliance John C. Freund

Vesper Speakers

Rev. Stanley A. Hunter

Dr. Duncan Cameron

Dr. F. T. Galpin

H. A. Waite

Miss Melville

Rev. John Yates

Miss Cary M. Graves

Dr. C. E. Shelton

Dr. W. L. MacEwan

Miss Ethel J. Cablk

Regulations in Regard to Academic Matters

Requirements for Graduation: The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty hours of college work.

The unit of time used in measuring the value of work is a year hour; that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may, by permission of the scholarship committee, carry extra work not to exceed one hour a week.

The total requirement for the Bachelor's degree is as follows:

English.....	6 hours
Mathematics.....	3 hours
History.....	3 hours
Science.....	3 hours
Philosophy.....	3 hours
Biblical Literature.....	3 hours
Language (other than English).....	6 hours
Spoken English.....	1 hour
Elective work.....	32 hours

Elective Work: Each student is required to elect at least eight hours of work in one department and six hours in an allied department. Students should consult the Dean in regard to such elections before the beginning of Junior year.

Attendance: Every student is expected to attend all of her scheduled college exercises, and may expect that the grade of her work will be affected by regularity. Absences at the beginning or end of vacations must be made up by an examination, accompanied by a fee of \$2.00 in each subject in which a recitation has been missed. Such examinations are to be taken within two weeks. Failure to comply with this regulation requires the student to drop the regular work of the course until the test has been taken. Exceptions may be made by the Scholarship Committee in the case of a student who presents a written explanation from parent or guardian showing illness of student or in the immediate family, or other emergency.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by instructors, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

Examinations: Examinations are given in all subjects at the end of each semester. Students failing to present themselves for examination in any course may secure private examination only by permission of the Dean and upon payment of a fee of \$2.00. This fee is also charged for tests taken to remove conditions, except entrance conditions. If several examinations are to be taken under one permit in case of sickness, a fee of \$3.00 shall cover the list. Partial examinations, assigned during the semester at the discretion of instructors, are under the same regulations as others, except that the Dean may remit the fee, in case of illness.

Conditions: All entrance conditions are to be removed before a student is allowed to begin the work of the sophomore year, unless extension of time is granted by the Scholarship Committee.

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed with the permission of the Dean by prescribed work and re-examination, or by the repetition of the course when next regularly given.

Any required work unavoidably omitted or not completed at the time when it is regularly scheduled must be taken the next year.

Special Students: Special students are subject to the same requirements as other students as to attendance, examinations, standing in classes and general regulations.

Reports and Grades: Letters are used to designate academic standing. A represents 90-100; B, 80-90; C, 70-80; D, 60-70; E, failure.

For graduation a student must have to her credit a grade of C or above in thirty year hours out of the total of sixty hours required.

Reports will be sent to parents or guardians at the close of each semester during the Freshman and Sophomore years. Juniors and Seniors may receive their grades from the Dean on request.

General Information

SITUATION

The College, located in the East End of Pittsburgh, in the best residence section of the city, combines accessibility with seclusion to an unusual degree. The beautiful campus, bordering on Woodland Road, provides a natural amphitheatre which is employed with fine effect for the presentation of plays and pageants, and also an athletic field where space is found for tennis, basket ball, and other outdoor sports.

Hamilton Avenue or Highland Park electric cars running out Fifth Avenue from the down-town district will carry passengers very near the campus entrances on Murray Hill Avenue and on Woodland Road. Persons entering the city by the Pennsylvania Lines should check their baggage to the East Liberty Station. Taxicabs may be taken from this station to the college.

BUILDINGS

Berry Hall is four stories in height. Its lower floors are employed chiefly for administrative purposes, but contain also the libraries and drawing rooms. For the convenience of day students especially, each class has been assigned a comfortably furnished room, known as a "Den."

Dilworth Hall is devoted to academic uses. In it are the assembly hall, lecture rooms and laboratories.

Music Hall contains studios and practice rooms.

The Gymnasium occupies the lower floor of Music Hall.

Woodland Hall is a residence house. It is a four-story fire-proof building containing a large reception hall, parlors, dining and service rooms, an infirmary and living accommodations for fifty students. It is constructed after the most approved plans for college dormitories and has been found a commodious and very attractive home.

LIBRARY

The College Library is housed in Berry Hall and students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. The departmental collections are enlarged from time to time by gifts from the alumnae and friends, or by the appropriation of funds. Notable among the gifts of the past year has been that of the Class of 1912, as a memorial to the late President Henry Drennan Lindsay. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an alumna of the college, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; and as this fund increases, its interest becomes available for the purchase of important books.

There is a well-lighted and attractive reading room, supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

THE CARNEGIE INSTITUTE OF PITTSBURGH

Here may be found a splendid library containing 424,000 volumes, which permits extensive outside reading in connection with all branches of assigned work. The Institute maintains museums and art galleries with valuable permanent collections of paintings, architecture, and sculpture, rich in material for scientific and cultural studies. It holds frequent exhibits of the work of both European and American artists, and in its halls are to be heard, from time to time, concerts and lectures of high standard. These resources are of great value to all students in Pittsburgh.

The nearness of the Carnegie Institute is a decided advantage to the College.

RESIDENCE

It is the plan of the College to make dormitory life as homelike as possible. Every opportunity is given for that pleasant intercourse among students and between faculty and students which adds so greatly to the value of college life. Berry Hall and Woodland Hall have their own dining rooms and living rooms, and are presided over by experienced house directors.

The daily life of the residence halls is regulated by student government, through the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

Health is considered of the highest importance. Physical examinations are required of each resident student

upon entrance, and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the College and has charge of all cases of illness, except a protracted or serious case demanding a private nurse. Parents may be assured that their daughters who live at the College will receive careful and sympathetic personal attention. The infirmary in Woodland Hall is well equipped for the care and comfort of the sick.

The department of Physical Training in its required and elective courses offers opportunities for intelligent exercise and right physical development. All resident students are expected to take daily outdoor exercise.

EXPENSES

The charge for tuition to all regular students and those carrying twelve hours or more, whether living in the college buildings or not, is \$150.00 a year.

The charge for tuition for certificate students in Music and Spoken English is \$100.00 a year, in addition to special fees for private lessons in each of these departments. Tuition is payable in advance and is not subject to return or deduction.

	<i>Per Year</i>
Registration Fee.....	\$ 5.00
Laboratory:	
Biology 1-2, Physics 1-2, or Chemistry 1-2.....	10.00
Advanced science course fee in proportion to material used.	

*Per Year***Spoken English:**

Private Lessons, twice a week.....	\$100.00
Private lessons, once a week.....	60.00

Diploma:

Bachelor of Arts.....	5.00
Master of Arts.....	10.00
Tutoring, per hour.....	1.00
Special Examination.....	2.00
Laundry, plain pieces, per dozen.....	.50
Boarding During Vacation, per week.....	10.00

The charge for board and room to students living in halls of residence is \$350.00—this amount to be paid as follows:

September (at opening of College).....	\$175.00
February (at beginning of second semester)....	175.00

Fixed times and amounts of payments for tuition.**Candidates for degrees:**

September (at opening of College).....	100.00
February (at beginning of second semester)....	50.00

Candidates for certificates:

September (at opening of College).....	60.00
February (at beginning of second semester)....	40.00

Students who are permitted to take seven hours or less of class room work a week, pay tuition for the year on the following scale: For a one hour course, \$15.00; a two hour course, \$30.00; a three hour course, \$45.00. Payment is due at the beginning of the year.

Payments must be made before the student can take her place in the class room. No exception will be made to this rule without written permission from the President.

Checks should be made payable to Pennsylvania College for Women.

No degrees will be conferred and no record of credit will be given until all bills due the College by the candidate have been paid.

DEPARTMENT OF MUSIC

For instruction for the College year.

PIANOFORTE

Two lessons a week.....	\$100.00—\$150.00
One lesson a week.....	60.00— 80.00

ORGAN

Two lessons a week.....	\$100.00 150.00
One lesson a week.....	60.00 80.00

VIOLIN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

SINGING

Two lessons a week.....	\$100.00
One lesson a week.....	60.00

For use of the Pianoforte for College year.....	20.00
For use of the Pipe Organ for College year.....	30.00

Special arrangements may be made for lessons on instruments not mentioned above.

All lessons are thirty minutes in length.

Tuition in music must always be paid in advance, and is not subject to return or deduction.

SCHOLARSHIPS

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved president of the college. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, 406 Morewood Avenue, Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfil a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus per-

petuate the memory of her beautiful life and her interest in young women ambitious for the advantages of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association, the Mary Hawes Nevin Scholarship by Mrs. John I. Nevin. These scholarships are granted for one year, but may be renewed upon application.

RELIGIOUS LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are required to be present at daily prayers in the chapel, and resident students to be regular attendants at the church of their choice on Sunday mornings and at the Sunday vesper services in Berry Hall. The Young Women's Christian Association maintains a mid-week prayer meeting and weekly Bible classes. Systematic Bible study is one of the college requirements.

SOCIAL LIFE.

The College emphasizes religious and social life, for it believes both are essential parts of a liberal education. The Public Occasions Committee, with the Dean as Chairman, supervises all plans for entertainments and other social activities and every effort is made to assure day students an equal share with resident students in the enjoyment of all occasions. The traditional college celebrations are those of Color Day, Hallowe'en, Christmas, the Mid-year Dance, St. Valentine's Day, May Day and the Senior Play.

The Young Women's Christian Association gives a reception to new students at the beginning of the year. Class entertainments, recitals of the departments of Music and Spoken English, and many informal events throughout the year contribute to a very delightful social atmosphere.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as may be delegated to it by the faculty. Resident students have a branch of the Association which has in charge the interests of the dormitories.

The Young Women's Christian Association holds weekly prayer meetings and organized Bible and mission study classes. The Association contributes to philanthropic and missionary work at home and abroad, and is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Pennsylvanian, the College year book, is published every other year by the Junior and Senior classes combined. It is a summary of student activities and student life.

The Sorosis, the College magazine, is published monthly by the students and represents the varied interests of the College.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The society holds occasional open meetings for the presentation of special programs.

Der deutsche Verein is open to students who are proficient in German. It is both literary and social in character.

The College Musical Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented, with papers and discussions.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture and the occasional presentation of carefully selected plays. The principal event of the club year is the production of Senior dramatics. The play in 1917 was *The Barber of Seville*, by Beaumarchais.

The Athletic Association affords the students of the college an opportunity to play basket ball, tennis and all out-door games. Arrangements for swimming have been made at the Central Young Women's Christian Association.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city. This

organization has an enthusiastic membership and its work is much valued in the college life.

The Mandolin Club is open to students who play the mandolin or guitar. With the Glee Club it gives annual concerts, and assists at college functions and other entertainments.

Phi Pi was organized to create a more alert interest in the classics by discussing topics for which there is not time in the regular class room work, by presenting Greek and Latin plays, tableaux, or other attractive programs and by keeping the members informed on current literature bearing on the study of Latin and Greek.

The Ariel Club is an organization for the study of bird life.

The Chemistry Club was organized for the study of present day problems in Science. Membership is open to advanced students.

RECOMMENDATIONS

The College is deeply interested in the welfare of its alumnae and is glad to cooperate actively with those who desire positions as teachers or in other vocations. A registry will be kept for this purpose and eligible candidates recommended.

ALUMNAE ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, corrected by the latest information obtainable, and many items of interest concerning alumnae and former students.

The officers of the Association for the year 1917-1918 are:

President Mrs. Mary Acheson Spencer, '83
Vice-President Mrs. Westanna Pardee, '79
Secretary Miss Sara H. Carpenter, '11
Treasurer Miss Anne M. Houston, '01

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical ways. Three clubs of recent alumnae have been organized, members of the classes between 1890 and 1900 forming Decade Club I, graduates from 1900 to 1910 constituting Decade Club II, and graduates from 1911 on forming Decade Club III.

Degrees Conferred in 1917

BACHELOR OF ARTS

Bailey, Carrie Elwena	<i>Monongahela</i>
Balsiger, Mary Edna	<i>Leechburg</i>
Claster, Leah	<i>New Kensington</i>
Crandall, Martha Johnson	<i>Warren</i>
Dunbar, Martha Belle	<i>Burgettstown</i>
Eggers, Dorothy Ursula	<i>Pittsburgh</i>
Errett, Jane Elizabeth	<i>Carnegie</i>
Gokey, Clara Ruth	<i>Jamestown, N. Y.</i>
Keck, Anna Katherine	<i>Greensburg</i>
Law, Ruth Jane	<i>Pittsburgh</i>
McClelland, Elizabeth Day	<i>Pittsburgh</i>
MacKenzie, Katherine Butz	<i>Aspinwall</i>
Pardee, Helen Louise	<i>Pittsburgh</i>
Reinecke, Louise	<i>Pittsburgh</i>
Shepard, Estelle	<i>Pittsburgh</i>
Spriggs, Ada Marian	<i>Washington</i>
Stoebener, Margaret Dorothy	<i>Pittsburgh</i>
Van Eman, Aline Willard	<i>Pittsburgh</i>

Certificates Granted in 1917

SOCIAL SERVICE

Claster, Leah	<i>New Kensington</i>
Crandall, Martha Johnson	<i>Warren</i>
Gokey, Clara Ruth	<i>Jamestown, N. Y.</i>
Hackney, Virginia	<i>Uniontown</i>
MacKenzie, Katherine Butz	<i>Aspinwall</i>
Reinecke, Louise	<i>Pittsburgh</i>
Sallows, Marion Elizabeth	<i>Pittsburgh</i>

Students in 1917-18

GRADUATE STUDENTS

Paul, Mary Jane, Vassar, A.B.....*Spoken English*
 Slater, Amelia O., Pennsylvania College for Women, A.B.....*Music*

SENIORS

Alexander, Rachel Longwell	<i>Washington</i>
Cornelius, Kamala	<i>Madras, India</i>
Davidson, Naomi Mollie	<i>Pittsburgh</i>
Eggers, Elizabeth Voegtly	<i>Pittsburgh</i>
Evans, Esther White	<i>Pittsburgh</i>
Fournier, Eulalia	<i>Beaver Falls</i>
Fuller, Eleanor	<i>Wilkinsburg</i>
Goldsmid, Elinor Beatrice	<i>Pittsburgh</i>
Hill, Janet Lockhart	<i>Pittsburgh</i>
Hunker, Charlotte Marie	<i>Bellevue</i>
*Jeffers, Lora Virginia	<i>Crafton</i>
Kates, Emilie Serle	<i>Pittsburgh</i>
Kaufmann, Ruth Mae	<i>N. Braddock</i>
Logan, Ruth Douglas	<i>Wilkinsburg</i>
Long, Ruth Isabel	<i>Wilkinsburg</i>
McKenzie, Elizabeth Catherine	<i>New Cumberland, W. Va.</i>
Marks, Annetta	<i>Pittsburgh</i>
Minor, Dorothy Simpson	<i>Pittsburgh</i>
Myers, Kathryn Hannah	<i>Pittsburgh</i>
Paul, Josephine Brown	<i>Pittsburgh</i>
Sheppard, Elizabeth Woolslayer	<i>Pittsburgh</i>
Sterling, Winona Elizabeth	<i>Masontown</i>
Temple, Martha Agnew	<i>Washington</i>
Van Kirk, Lorena Anne	<i>West Newton</i>
Wolf, Rachel Olive	<i>Sheraden</i>

*Deceased.

JUNIORS

Ailes, Helen	<i>Pittsburgh</i>
Applestein, Lillian Dorothea	<i>Pittsburgh</i>
Bair, Gertrude Stanton	<i>Edgewood</i>
Barron, Marjorie Mary	<i>Latrobe</i>
Bell, Helen Mary	<i>Edgewood</i>
Black, Winifred Johnston	<i>Pittsburgh</i>
Brand, Margaret	<i>Pittsburgh</i>
Brownlee, Martha Foster	<i>Washington</i>
Clarke, Dorothy	<i>Pittsburgh</i>
Cox, Viola Henrietta	<i>Donora</i>
Crawford, Mary Alice	<i>Sewickley</i>
Crouse, Sarah Dora	<i>Sharpsburg</i>
Davis, Ethel Mary	<i>Homestead</i>
Errett, Marjorie Russell	<i>Carnegie</i>
Farr, Florence Margaret	<i>Avalon</i>
Hamilton, Margaret Elizabeth	<i>Edgewood</i>
Hooff, Virginia Loney	<i>Pittsburgh</i>
Jarecki, Valeska Strunz	<i>Sandusky, O.</i>
Jefferson, Christelle Margaret	<i>Aspinwall</i>
Leopold, Henrietta Josephine	<i>Pittsburgh</i>
McEllroy, Elinor Harriet	<i>Edgewood</i>
Richards, Mary Margaret	<i>Morganfield, Ky.</i>
Rogers, Augusta Georgia	<i>Lexington, Ky.</i>
Sander, Dorothea Lloyd	<i>Pittsburgh</i>
Sheppard, Jane Lois	<i>Pittsburgh</i>
Stevenson, Elizabeth Plumer	<i>West Newton</i>
Taber, Laura Hathaway Nye	<i>Pittsburgh</i>
Weston, Eva May	<i>Edgewood Park</i>
Workman, Margaret Moore	<i>Washington</i>

SOPHOMORES

Armstrong, Margaret Imogene	<i>Vandergrift</i>
Aspinwall, Julia Virginia	<i>Pittsburgh</i>
Bardsley, Eleanor Marshall	<i>Bridgeville</i>
Borland, Margaret McCutcheon	<i>Pittsburgh</i>
Brosius, Grace Alice	<i>Crafton</i>
Caughey, Catharine Bell	<i>McKeesport</i>
Crane, Willard	<i>Terra Alta, W. Va.</i>
Criste, Rita Agnes	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Fleming, Elizabeth Windber	<i>Ebensburg</i>
Fournier, Gladys Margaret	<i>Beaver Falls</i>
Graham, Clara Williams	<i>Pittsburgh</i>
Hare, Margaret Chalfant	<i>Pittsburgh</i>
Herron, Mary Elsie	<i>Washington</i>
Jamison, Mary Elizabeth	<i>Ellwood City</i>
Kutscher, Helen Vandergrift	<i>Braddock</i>
Leighton, Irene Marguerite	<i>Braddock</i>
Lobmiller, Jane Kathryn	<i>Wellsburg, W. Va.</i>
McFarland, Katharine Russell	<i>Pittsburgh</i>
McKee, Anna Siemon	<i>Pittsburgh</i>
Moore, Margaret Catherine	<i>Pittsburgh</i>
Morris, Rosalie Mary	<i>Pittsburgh</i>
Newell, Elinor	<i>Crafton</i>
Perry, Ethel Lois	<i>Pittsburgh</i>
Shiple, Bessie Hewitt	<i>Pittsburgh</i>
Stevenson, Mary Luella	<i>West Newton</i>
Weirich, Loretta Elizabeth	<i>Washington</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>

FRESHMEN

Agnew, Margaret Sarah	<i>Aspinwall</i>
Anderson, Margaret Jeannette	<i>Homestead</i>
Askin, Elizabeth Thompson	<i>Ingram</i>
Beckfield, Frances Madeline	<i>Pittsburgh</i>
Berryman, Esther Ann	<i>Charleroi</i>
Biles, Margaret Ellen	<i>Clairton</i>
Brallier, Helen Agnes	<i>Berlin</i>
Caughey, Marjorie Josephine	<i>McKeesport</i>
Collier, Marcella Irene	<i>Roscoe</i>
Crouse, Miriam LeFevre	<i>Sharpsburg</i>
Curry, Hazel Jewell	<i>Donora</i>
Curtis, Rachel Margaret	<i>Turtle Creek</i>
Davis, Wilma Marion Bailais	<i>Grass Lake, Mich.</i>
Espy, Stella Elizabeth	<i>Pittsburgh</i>
Evans, Mildred Mae	<i>Pittsburgh</i>
Farr, Lois Margery	<i>Avalon</i>
Fast, Florence M.	<i>Fairchance</i>
Ferguson, Ruth Hannah	<i>Pittsburgh</i>
Finkelhor, Bessie K.	<i>Jeannette</i>
Frederick, Frances Atwell	<i>Pittsburgh</i>
Geary, Marcella Catherine	<i>Wilkinsburg</i>
Gilfillan, Margaret Boyd	<i>Bridgeville</i>
Gilmore, Roberta Isabell	<i>Emlenton</i>
Green, Anna Hatfield	<i>Gibsonia</i>
Greer, Esther B.	<i>Ligonier</i>
Grier, Harriet Elizabeth	<i>Pittsburgh</i>
Hesselgesser, Helen Naomi	<i>Freeport</i>
Honsaker, Marion Edith	<i>Masontown</i>
Hopper, Dorothy Mae	<i>Canonsburg</i>
Jones, Lillian D.	<i>Pittsburgh</i>
La Victoire, Esther	<i>Jeannette</i>
Long, Helen Lucile	<i>Wilkinsburg</i>
Ludwick, Frances Willard	<i>Oakmont</i>
Martin, Ella Ferguson	<i>Pittsburgh</i>
Montgomery, Emma Louise	<i>Pitcairn</i>
Murphy, Elisabeth	<i>Vandergrift</i>
Pew, Edith	<i>Wilkinsburg</i>
Reed, Mary Elizabeth	<i>Latrobe</i>

FRESHMEN—Continued.

Rimer, Mary Elizabeth	<i>Clarion</i>
Russell, Mary Byrd	<i>Fredericksburg, Va.</i>
Shaffer, Mabel B.	<i>Kittanning</i>
Stevenson, Elizabeth Plumer	<i>Wheeling, W. Va.</i>
Sullivan, Gladys Marguerite	<i>McKeesport</i>
Sumpter, Caroline Elizabeth	<i>Fairmont, W. Va.</i>
Treloar, Helen Margaret	<i>Homestead</i>
Van Sickel, Nelle	<i>Ursina</i>
Walsh, Christina Kirk	<i>New Brighton, N. Y.</i>
Wills, Margaret Rachel	<i>Belleville</i>
Wilson, Bell McMaster	<i>Pittsburgh</i>
Wolff, Katherine Kurtz	<i>Pittsburgh</i>

UNCLASSIFIED STUDENTS

Candidates for certificates, or for classification as regular students, who are carrying twelve hours or more in college classes:

Armstrong, Marie Lang	<i>Pittsburgh</i>
Barnhart, Catherine Agnes	<i>Greensburg</i>
Blatt, Cecelia Marian	<i>Pittsburgh</i>
Bradley, Bessie Adaline	<i>New Castle</i>
Collins, Mary Ethyl	<i>Scottdale</i>
Cukerbaum, Sorly Helen	<i>Pittsburgh</i>
Drabkin, Sara Ann	<i>Youngstown, Ohio</i>
Goldberg, Rena Ray	<i>Pittsburgh</i>
Grinberg, Ruth Janis	<i>Homestead</i>
Hartman, Esther K.	<i>Pittsburgh</i>
Hartzel, Gertrude Edna	<i>Edgewood Park</i>
Hawkins, Mildred Christine	<i>New Lisbon, N. J.</i>
Lappe, Hulings Elizabeth	<i>Pittsburgh</i>
Leitch, Helen Elizabeth	<i>Pittsburgh</i>
McGrew, Minnie E.	<i>Pittsburgh</i>
MacMillan, Ruth L.	<i>Latrobe</i>
Miller, Clara Russell	<i>Pittsburgh</i>
Miller, Estelle	<i>Scottdale</i>
Robison, Margaret Alida	<i>Pittsburgh</i>
Ruch, Marguerite Mae	<i>Pittsburgh</i>
Salinger, Ellinore H.	<i>Parkersburg, W. Va.</i>
Seaman, Ruth Miriam	<i>Swissvale</i>
Shane, Mabel Wallace	<i>MacDonald</i>
Shapira, Sara Belle	<i>Pittsburgh</i>
Stoeltzing, Dorothy	<i>Pittsburgh</i>
Tipper, Mary B.	<i>Pittsburgh</i>
Tobias, Julia Eunice	<i>Pittsburgh</i>
Younkins, Florence Evelyn	<i>Butler</i>

SPECIAL STUDENTS

Armstrong, Mary Margaret	<i>West Newton, Pa.</i>
Beren, Ella M.	<i>Parkersburg, W. Va.</i>
Bernhart, Mrs. Edward	<i>Pittsburgh</i>
Boehm, Mabel Augusta	<i>Pittsburgh</i>
Bowman, Helen Marr	<i>Edgewood Park</i>
Dickey, Josephine	<i>Pittsburgh</i>
Forsyth, Edith Gail	<i>Pittsburgh</i>
Gangloff, Thelma Ann	<i>Pittsburgh</i>
Greenlee, Margaret Wood	<i>Wilkinsburg</i>
Hardman, Helen M.	<i>Pittsburgh</i>
Jeremy, Clara	<i>Pittsburgh</i>
Krebs, Margaret	<i>Pittsburgh</i>
Lawson, Elizabeth K.	<i>Pittsburgh</i>
Leopold, Mary	<i>Pittsburgh</i>
Lohr, Nancy Louise	<i>Ligonier</i>
Ramsay, Laura J.	<i>Pittsburgh</i>
Robb, Dorothy	<i>Wilkinsburg</i>
Seaman, Helen Sarah	<i>Swissvale</i>
Smith, Louise	<i>Pittsburgh</i>
Trimble, Mary H.	<i>Ben Avon</i>
Weckerle, Inez	<i>Pittsburgh</i>
Weinman, Emma Belle	<i>Wilkinsburg</i>
Wray, Dorothy	<i>Greensburg</i>

FORM FOR WILL BEQUESTS

I give and bequeath to the "Trustees of The Pennsylvania College for Women in the County of Allegheny," incorporated under the laws of the State of Pennsylvania, the sum of.....
dollars;
 and the receipt of the Treasurer thereof shall be sufficient discharge to my executors for the same.

INDEX

Administrative Officers.....	5
Admission of Students.....	11
To Advanced Standing.....	25
To Freshman Class.....	12
To Special Courses.....	25
Alumnae Association.....	80
Application for Rooms.....	11
Calendar.....	3
Certificate Courses.....	25
Certificates Granted in 1917.....	81
Correspondence.....	9
Courses of Instruction.....	27
Art.....	42
Astronomy.....	46
Biblical Literature.....	27
Biology.....	27
Chemistry.....	28
Economics.....	60
Education.....	30
English.....	32
French.....	35
German.....	36
Greek.....	39
History and Political Science.....	40
Italian.....	42
Latin.....	43
Mathematics.....	45
Music.....	47
Philosophy.....	58
Physical Education.....	55
Physics.....	56
Psychology.....	58
Social Service.....	61
Sociology.....	60
Spanish.....	62
Spoken English.....	63
Curriculum Schedule.....	26
Degrees Conferred in 1917.....	81
Elective Work.....	66
Executive Officers.....	7

Expenses.....	72
Faculty.....	5
General Information.....	69
Graduate Work.....	25
Lecturers and Vesper Speakers.....	65
Legacy Form.....	89
Library.....	70
Payments.....	73
Recommendations.....	79
Regulations for Students.....	66
Religious and Social Life.....	76
Requirements for Entrance.....	12
Requirements for Graduation.....	66
Scholarships.....	75
Students in 1917-1918.....	82
Student Activities.....	77
Trustees.....	4

Pennsylvania
College for Women
Pittsburgh

Announcements for 1919-1920

Register of Faculty and Students for
1918-1919

Calendar 1919

JANUARY							FEBRUARY							MARCH							APRIL								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
...	...	...	1	2	3	4	...	2	3	4	5	6	7	8	1	...	...	1	2	3	4	5	...	...	...	...	...
5	6	7	8	9	10	11	9	10	11	12	13	14	15	...	2	3	4	5	6	7	8	...	6	7	8	9	10	11	12
12	13	14	15	16	17	18	16	17	18	19	20	21	22	...	9	10	11	12	13	14	15	...	13	14	15	16	17	18	19
19	20	21	22	23	24	25	23	24	25	26	27	28	...	16	17	18	19	20	21	22	...	20	21	22	23	24	25	26	
26	27	28	29	30	31	...	28	29	30	31	...	...	...	...	23	24	25	26	27	28	29	...	27	28	29	30	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30	31	...	...	...	...	...	...	...	...	...	...	...	...	...
MAY							JUNE							JULY							AUGUST								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
...	...	...	...	1	2	3	1	2	3	4	5	6	7	...	...	1	2	3	4	5	...	...	...	...	1	2			
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12	...	3	4	5	6	7	8	9	
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	...	10	11	12	13	14	15	16	
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	...	17	18	19	20	21	22	23	
25	26	27	28	29	30	31	29	30	...	...	...	...	...	27	28	29	30	31	...	...	...	24	25	26	27	28	29	30	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
...	1	2	3	4	5	6	...	5	6	...	1	2	3	4	...	2	3	4	5	6	...	1	...	1	2	3	4	5	6
7	8	9	10	11	12	13	12	13	6	7	8	9	10	11	9	10	11	12	13	14	15	...	7	8	9	10	11	12	13
14	15	16	17	18	19	20	15	16	17	18	19	20	21	...	16	17	18	19	20	21	22	...	14	15	16	17	18	19	20
21	22	23	24	25	26	27	19	20	21	22	23	24	25	...	23	24	25	26	27	28	29	...	21	22	23	24	25	26	27
28	29	30	...	...	...	...	26	27	28	29	30	31	...	...	30	...	...	...	...	...	...	...	28	29	30	31	...	...	...

Calendar 1920

JANUARY							FEBRUARY							MARCH							APRIL											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
...	...	...	...	...	1	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	4	5	6	7	8	9	10	...	1	2	3	4	5	6	...	7	8	9	10	11	12	13	...	4	5	6	7	8	9	10		
11	12	13	14	15	16	17	...	8	9	10	11	12	13	14	...	14	15	16	17	18	19	20	...	11	12	13	14	15	16	17		
18	19	20	21	22	23	24	...	15	16	17	18	19	20	21	...	21	22	23	24	25	26	27	...	18	19	20	21	22	23	24		
25	26	27	28	29	30	31	...	22	23	24	25	26	27	28	...	28	29	30	31	25	26	27	28	29	30	...	
...		
MAY							JUNE							JULY							AUGUST											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
...	...	...	...	...	...	1	...	...	...	...	...	1	2	3	...	...	...	...	...	1	2	3	...	...	...	...	...	...
...	2	3	4	5	6	7	8	...	6	7	8	9	10	11	12	...	4	5	6	7	8	9	10	...	8	9	10	11	12	13	14	
9	10	11	12	13	14	15	...	13	14	15	16	17	18	19	...	11	12	13	14	15	16	17	...	15	16	17	18	19	20	21		
16	17	18	19	20	21	22	...	20	21	22	23	24	25	26	...	18	19	20	21	22	23	24	...	22	23	24	25	26	27	28		
23	24	25	26	27	28	29	...	27	28	29	30	...	...	...	...	25	26	27	28	29	30	31	...	29	30	31	...	...	...	...
30	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER											
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S					
...	...	...	...	...	1	2	3	4	...	...	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	5	6	7	8	9	10	11	...	3	4	5	6	7	8	9	...	7	8	9	10	11	12	13	5	6	7	8	9	10	11
12	13	14	15	16	17	18	...	10	11	12	13	14	15	16	...	14	15	16	17	18	19	20	...	12	13	14	15	16	17	18	19	
19	20	21	22	23	24	25	...	17	18	19	20	21	22	23	...	21	22	23	24	25	26	27	...	19	20	21	22	23	24	25	26	
26	27	28	29	30	24	25	26	27	28	29	30	...	28	29	30	26	27	28	29	30	31	...	
31	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Calendar

1919

16 September, Tuesday

First semester begins—Enrollment

17 September, Wednesday.....Recitations begin

27 November, Thursday..Thanksgiving vacation begins

1 December, Monday, 9:30 A. M.....College opens

19 December, Friday, 4:30 P. M.

Christmas vacation begins

1920

5 January, Monday, 6:00 P. M.....College opens

23 January, Friday.....Mid-year examinations begin

2 February, Monday, 9:30 A. M., Second semester begins

19 March, Friday, 4:30 P. M.....Spring vacation begins

29 March, Monday, 6:00 P. M.....College opens

21 May, Wednesday.....Final examinations begin

SEMI-CENTENARY ANNIVERSARY

6 June, Sunday, 11:00 A. M.....Baccalaureate Sermon

7 June, Monday, 8:15 P. M.....Commencement

8 June, Tuesday.....Alumnae Day

9 June, Wednesday.....Historical Day

10 June, Thursday.....Educational Day

Board of Trustees

OLIVER McCLINTOCK.....	<i>President</i>
*JOHN B. FINLEY	<i>Vice-President</i>
WILLIAM H. REA.....	<i>Secretary</i>
DAVID McK. LLOYD	<i>Treasurer</i>

Term Expires 1919

OLIVER McCLINTOCK	JOHN C. ACHESON
DAVID McK. LLOYD	REV. JOHN K. McCLURKIN, D. D.
MRS. JOHN I. NEVIN	

Term Expires 1920

WM. H. REA	MRS. CHAS. H. SPENCER
REV. W. L. McEWAN, D.D.	MRS. JAS. H. LOCKHART
MRS. OGDEN EDWARDS, JR.	

Term Expires 1921

JACOB J. MILLER	JAMES C. GRAY
W. W. BLACKBURN	MRS. WM. S. MILLER
JOHN B. FINLEY	MRS. WM. WATSON SMITH
MRS. WM. N. FREW	

Standing Committees of the Trustees

Executive Committee: Mr. Blackburn, Dr. McEwan, Mr. Finley, Mr. Rea, Mrs. Spencer, Mrs. Frew, Dr. Acheson.

Finance Committee: Mr. Finley, Mr. Lloyd, Judge Miller, Mr. Blackburn.

Committee on Faculty and Studies: Dr. McClurkin, Dr. McEwan, Dr. Acheson, Mrs. Miller, Mrs. Spencer, Mrs. Lockhart.

Committee on House Visitation: Mrs. Spencer, Mrs. Nevin, Mrs. Miller, Mrs. Smith, Mrs. Edwards.

Auditing Committee: Mr. Finley, Dr. McEwan.

*Deceased, Feb. 27, 1919.

Administrative Officers

- JOHN C. ACHESON.....*President*
A.B., M.A., Center College; LL.D., Central University of Kentucky
- FLORENCE KELLOGG ROOT.....*Dean*
A.B., M.A., Smith College.
- MARGARET ANN STUART.....*Secretary*

Faculty

- MARY W. BROWNSON.....*History, Biblical Literature*
A.B., Pennsylvania College for Women; M.A., Washington and Jefferson College.
- VANDA E. KERST.....*Spoken English*
Heidelberg University, Ohio; Pupil of S. H. Clark and Mrs. Bertha Kunz Baker, and Curry School of Expression.
- LUELLA P. MELOY.....*Sociology, Economics*
A.B., Pennsylvania College for Women; M.A., Columbia University.
- VIOLET LOUISE HOLCOMB.....*Physics, Philosophy*
A.B., Colorado College; M.A., Radcliffe College.
- ELIZABETH B. WHITE.....*History*
A.B., Cornell University; M.A., University of Wisconsin.
- EDITH G. ELY.....*French*
A.B., Smith College.

Faculty

- LETITIA BENNETT.....*Mathematics*
B.L., Oberlin College.
- MAE B. MACKENZIE.....*Piano*
Cosmopolitan College of Music, Chicago; Pupil of Victor Heinze,
Chicago, and Josef Lhevinne, Berlin.
- LAURA C. GREEN.....*Latin, Greek*
A.B., Wellesley College; M.A., Columbia University.
- MILDRED J. BEBEE.....*Rhetoric*
Ph.B., University of Vermont.
- EVELYN C. STARR.....*German, Spanish*
A.B., Vassar College; M.A., Columbia University.
- FRANCES J. MERRITT.....*French, Italian*
A.B., University of Pittsburgh.
- MARY MARGUERITE MCBURNEY.....*Chemistry, Biology*
A.B., Pennsylvania College for Women.
- MARY JANE PAUL.....*Spoken English*
A.B., Vassar College.
- ELMER JAMES BAILEY.....*English Literature*
Ph.B., Ph.M., University of Rochester; M.A., Hamilton College;
Ph.D., Cornell University.
- MARION E. GIFFORD.....*Physical Training*
Wells College; New Haven Normal School of Gymnastics.
- WALTER WILD.....*Piano, Organ, Composition*
Fellow, Royal College of Organists; Licentiate in Music, Trinity
College, London.

Faculty

EMMA SELMEIER.....*Singing*
Cincinnati Conservatory of Music; Pupil of Dr. Fery Lulak.

EDNA S. WINTERS.....*Psychology, Education*
A.B., Vassar College.

JAMES B. GARNER.....*Chemistry*
B.S., M.S., Wabash College; Ph.D., Chicago University.

In order of Appointment.

Executive Officers

GEORGIA PROCTOR.....*Librarian*
A.B., Northwestern University.

M. HELEN MARKS.....*Field Secretary*
A.B., Smith College.

JANET L. BROWNLEE.....*Assistant to the Dean*

ELLA M. MARSHALL.....*Resident Nurse*

MRS. JEANNE M. SHIELDS.....*House Director*

MRS. MELLIE C. WOODWARD..*House Director, Woodland Hall*

Faculty Organization

DR. ACHESON.....	<i>President</i>
MISS ROOT.....	<i>Dean</i>
DR. BAILEY.....	<i>Secretary</i>

Standing Committees

Cabinet: The President, the Dean, the Secretary, Miss Bennett, Miss Brownson, Miss Green, Miss Holcomb.

Curriculum: Miss Ely, Miss Brownson, Miss Holcomb, Miss McBurney.

Scholarship: The Dean, Miss Bennett, Miss Green, Miss Marks, Miss Merritt.

Documents: Miss White, Miss Bebee, Miss Meloy, Miss Stuart.

Library: Miss Green, Dr. Bailey, Miss Proctor.

Public Occasions: The Dean, Miss Brownlee, Miss Kerst, Miss MacKenzie, Miss Selmeier, Mr. Wild.

Dormitory: Miss Marks, Miss Brownlee, Miss Ely, Miss Gifford, Miss Starr, Dean Root.

Faculty-Student Council

The President, The Dean, Miss Ely, Miss Green, Miss Starr; Student Government Board.

Correspondence

In the list below are the names of persons to whom communications of various types should be addressed.

Admission of Students: Florence Kellogg Root, Dean.

Questions Relating to Health, Scholarship, or General Welfare of Students:
The Dean.

Requests for Catalogues or Other Information: M. Helen Marks, Field Secretary.

Business Matters: Margaret A. Stuart, Secretary.

Pennsylvania College for Women

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania for an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a center of liberal education, and a campus was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing residence districts of East Liberty and Shadyside. The fine old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active cooperation of many interested friends. The charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the required courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892. A Music Hall was added to this building in 1897. Woodland Hall was opened as a dormitory in September, 1909.

Admission of Students

Application for Admission

Each candidate for admission must fill out and return to the College application cards which will be furnished on request. Each application must be accompanied by a registration fee of five dollars which is credited on the first payment. This fee is forfeited if the applicant withdraws or if for just cause the College finds it necessary to cancel the registration.

To reserve rooms for the college year beginning in September, students in residence the previous college year must send to the Secretary before August 10th the required fee of \$5.00. This fee is credited on the first payment if the student returns; if she does not return it is forfeited.

Candidates for advanced standing whose credentials admit them to Junior or higher rank, will take precedence of candidates for the Freshman class in the assignment of rooms. All other students will be assigned rooms in order of application.

There are a few double rooms, but the bed-rooms are generally arranged in suites of two single rooms. Any information concerning the rooms will be given upon application to the Dean.

Students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for students from *the date at which they had engaged to enter their daughters or wards until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness of one month or longer, when the loss for board and room will be equally shared.*

METHODS OF ADMISSION

Admission to the Freshman class is by one of the following methods:

(a) EXAMINATION. Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examinations at the College.

(b) CERTIFICATE FROM ACCREDITED SCHOOLS. Instead of examination, certificates from high schools and academies whose work has been approved by the College and whose courses prepare for the Freshman class, will be accepted. Blank forms of such certificates may be obtained from the Dean or the Field Secretary. Application for membership in the Freshman class should be made as early as possible, in order to insure the prompt completion of all preliminary arrangements. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION

Fifteen units are required for admission to the Freshman class. A unit represents a study continued throughout a year of thirty-six weeks in a secondary school, with five recitations a week, constituting approximately a quarter of a full year's work. An exception to this definition is made in regard to English, in which subject four years of High School work are necessary for 3 units' credit. The required fifteen units must include English (three units), Foreign Languages (four units—two of these must be in Latin; two in either French, German, Greek or Spanish), History (one unit), Mathematics (two and one-half units—Algebra, one and one-half units; Plane Geometry, one unit.) In addition to the above, the student must present

four and one-half units from the following list of subjects: Civics, English, French, German, Greek, History, Latin, Mathematics, Science, Spanish, Theory of Music.

One unit only in Music may be offered. Less than two units in any language will not be accepted. More than four units in any department will not be accepted.

ENGLISH

Three units required.

(a) COMPOSITION. Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them in the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

(b) LITERATURE. The books recommended are those listed in the Uniform College Entrance Requirements in English, for classes entering in 1916-1919, but other similar books will be accepted as equivalents. Study should include a knowledge of subject-matter and structure, and some acquaintance with the lives of the authors and the period in which they lived, but books listed under B call for more detailed treatment than those under A.

A. *Reading Groups:*

GROUP I (two to be selected)—*The Old Testament*, including the most important narrative parts of *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*; the *Odyssey*, with the omission of Books I-V, XV-XVII; the *Iliad*, with

14 PENNSYLVANIA COLLEGE FOR WOMEN

the omission of Books XI, XIII-XV, XXI; Virgil's *Aeneid*. English translations of the *Odyssey*, the *Iliad*, and the *Aeneid*, of acknowledged literary merit, must be used.

Additional units from Groups II-V may be substituted for the two units of this group.

GROUP II—Shakespeare: *Midsummer Night's Dream*, *Merchant of Venice*, *As You Like It*, *Twelfth Night*, *The Tempest*, *Romeo and Juliet*, *King John*, *Richard II*, *Richard III*, *Henry V*, *Coriolanus*, **Julius Caesar*, **Macbeth*, **Hamlet*.

GROUP III—Prose Fiction. Malory: *Morte d'Arthur* (about 100 pages); Bunyan: *Pilgrim's Progress*, Part I; Swift: *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe: *Robinson Crusoe*, Part I; Goldsmith: *Vicar of Wakefield*; Frances Burney: *Evelina*; Scott's Novels: any one; Jane Austen's Novels: any one; Maria Edgeworth: *Castle Rackrent*, or *The Absentee*; Dickens' Novels: any one; Thackeray's Novels: any one; George Eliot's Novels: any one; Mrs. Gaskell: *Cranford*; Kingsley: *Westward Ho*, or *Hereward the Wake*; Reade: *The Cloister and the Hearth*; Blackmore: *Lorna Doone*; Hughes: *Tom Brown's Schooldays*; Stevenson: *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels: any one; Poe: *Selected Tales*; Hawthorne: *The House of the Seven Gables*, or *Twice Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

GROUP IV—Essays, Biography, etc. Addison and Steele: *The Sir Roger de Coverley Papers*, or selections from the *Tatler* and *Spectator* (about 200 pages); Boswell: Selections from the *Life of Johnson* (about 200 pages); Franklin: *Autobiography*; Irving: Selections from the *Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey: *Life of Nelson*; Lamb: Selections from the *Essays of Elia* (about 100 pages); Lockhart: Selections from the *Life of Scott* (200 pages); Thackeray *Lectures on Swift*, Addison and Steele in the *English Humorists*; Macaulay: Any one,—*Lord Clive*, *Warren Hastings*, *Milton*, *Addison*, *Goldsmith*, *Frederic the Great*, *Madame d' Arblay*; Trevelyan: Selections from the *Life of Macaulay* (200 pages); Ruskin: *Sesame and Lilies*, or Selections (150 pages); Dana: *Two Years Before the Mast*; Lincoln: Selections, including the two *Inaugural Addresses*, the *Speeches in Independence Hall*

*If not chosen for study under B.

and at *Gettysburg*, the *Last Public Address*, *The Letter to Horace Greeley*, together with a brief memoir of *Lincoln*; Parkman: *The Oregon Trail*; Lowell: *Selected Essays* (150 pages); Holmes: *Autocrat of the Breakfast Table*; Stevenson: *An Inland Voyage* and *Travels with a Donkey*; Huxley: *Autobiography* and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlett, Emerson and later writers; a collection of *Letters* by various standard writers.

GROUP V—Poetry. Palgrave's *Golden Treasury* (First Series), Books II and III, with special attention to Dryden, Collins, Gray, Cowper and Burns; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen under B); Goldsmith: *The Traveler* and *The Deserted Village*; Pope: *The Rape of the Lock*; a collection of English and Scottish *Ballads*, as for example, some *Robin Hood* ballads, the *Battle of Otterburn*, *King Estmere*, *Young Beicham*, *Berwick and Grahame*, *Sir Patrick Spens*, and later ballads; Coleridge: *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron: *Childe Harold*, Cantos III and IV, and the *Prisoner of Chillon*; Scott: *The Lady of the Lake*, or *Marmion*; Macaulay: *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Iry*; Tennyson: *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve' Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "*De Gustibus*," *Instans Tyrannus*; Arnold: *Sohrab and Rustum*, and *The Forsaken Merchant*; selections from *American Poetry*, with special attention to Poe, Lowell, Longfellow and Whittier.

B. Study and Practice:

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions. The books provided for study are arranged in four groups, from each of which one selection is to be made.

16 PENNSYLVANIA COLLEGE FOR WOMEN

GROUP I—Drama. Shakespeare: *Julius Caesar*, or *Macbeth*, or *Hamlet*.

GROUP II—Poetry. Milton: *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson: *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

GROUP III—Oratory. Burke: *Speech on Conciliation with America*; Macaulay: *Speeches on Copyright*; Lincoln: *Speech at Cooper Union*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*.

GROUP IV—Essays. Carlyle: *Essay on Burns*, with a selection from Burns' *Poems*; Macaulay: *Life of Johnson*; Emerson: *Essays on Manners*.

FOREIGN LANGUAGES

FRENCH

(a) The fundamental principles of grammar: Inflection of nouns, adjectives, the use of all pronouns; conjugation of regular verbs and the common irregular verbs; the elementary rules of word order. Reading and translation of not less than 100 pages of easy modern French. Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read. (One unit.)

(b) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories and plays, with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into idiomatic French. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) A thorough review of the grammar accompanied by the use of a good text book in French prose composition. Reading and translation of not less than 300 pages of more difficult French, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class. (One unit.)

GERMAN

(a) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order. Reading and translation of not less than 100 pages of easy modern German prose. Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read. (One unit.)

(b) Further study of grammar, particularly of syntax, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories and plays with a few poems, in addition to the amount already indicated. Ability to translate easy English prose into German. (One unit.)

(c) A thorough review of the grammar, accompanied by the use of a good text book in German prose composition. Reading and translation of not less than 300 pages of more difficult German, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class. (One unit.)

(d) ADVANCED GERMAN. The work of the advanced course should comprise the reading of about 800 pages of good literature in prose and poetry, reference reading upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German. Suitable authors for study in the fourth year are Goethe, Schiller, and Lessing. (One unit.)

GREEK

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. An accurate knowledge of the regular Attic Greek forms, idioms, and constructions with constant practice in the writing of simple Greek sentences. (One unit.)

(b) XENOPHON. *Anabasis*, Books I-IV or an equivalent amount from the *Memorabilia*. Prose Composition: Pearson or an equivalent. (One unit.)

(c) HOMER. *Iliad*, Books I-III omitting lines 494 to 815, with special attention paid to dialectic forms and reading of the Greek. (One unit.)

LATIN

Two units required.

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. A knowledge of all regular inflections, common irregular forms, the fundamental principles of syntax, and a satisfactory vocabulary. (One unit.)

(b) CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or Nepos, *Lives*; prose composition; sight translation. (One unit.)

(c) CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters; or from Sallust's *Catiline* and *Jugurtha*, except that the orations for the Manilian Law and for Archias are required; prose composition; sight translation. (One unit.)

(d) VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid*, Books I, II and either IV or VI are required. (One unit.)

SPANISH

A thorough knowledge of the rudiments of grammar, including the inflection of the regular and the more common irregular verbs; the inflection and use of personal pronouns, adverbs, adjectives, prepositions and conjunctions; the order of words in the sentence and the elementary rules of syntax. Reading and translation of not less than 100 pages of graduated texts with constant practice in free reproduction in Spanish of what has been read. Ability to write Spanish from dictation and to read aloud intelligently with correct pronunciation. (One unit.)

HISTORY

One unit required.

(a) ANCIENT HISTORY. Greek and Roman history, preceded by an introductory study of earlier nations. Survey of important events in the mediaeval period to 800 A.D. (One unit.)

(b) MEDIEVAL AND MODERN HISTORY. From the period of the barbarian invasions to the present day.

(One unit.)

(c) ENGLISH HISTORY.

(One unit.)

(d) AMERICAN HISTORY. With an outline study of Civil Government.

(One unit.)

It is assumed that any subject offered for entrance credit represents a full unit in value—that is, five class exercises a week for one year. A text-book of not less than 500 pages should have been used, supplemented by an equal amount of collateral reading, constant reference to maps, and the preparation of written or verbal reports upon assigned topics.

MATHEMATICS

Two and one-half units required.

(a) ALGEBRA. Factors, common divisors and multiples, theory of exponents, imaginaries. Fractions, radicals, including the extraction of square root of polynomials and of numbers. Equations involving radicals, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations.

(One unit.)

(b) QUADRATICS AND BEYOND. Quadratic equations, both numeral and literal, containing one or more unknown quantities. Problems depending on quadratic equations. Graphs. Binomial theorem for positive integral exponents. Arithmetical and geometrical progressions.

(One-half unit.)

(c) PLANE GEOMETRY. The theorems and constructions of the five books of good texts. There should be constant practice in original demonstrations and exercises.
(One unit.)

(d) SOLID GEOMETRY. The usual theorems and construction of good text books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the measurement of surfaces and solids. (One-half unit.)

NOTE: It is very important that students review both Algebra and Geometry in their last preparatory year.

MUSIC

Examination at the College in September. Either A, Harmony; or B, a combination of a less advanced requirement in theory with a practical study—piano, voice, violin, organ or other orchestral instrument will be accepted.

A. HARMONY. The examination will be adapted to the proficiency of those who have had one year's systematic training with at least three lessons a week, or its equivalent. The candidate should have acquired the ability:

(a) To harmonize in four vocal parts simple melodies of not less than eight measures involving the use of triads and inversions, of diatonic seventh chords and inversions in the major and minor modes; and of modulations to related keys.

(b) To analyze chords of the ninth, all non-harmonic tones and altered chords, including augmented

chords. The student will be expected to have full knowledge of the rudiments of music, scales, intervals and staff notation, including the terms and expression marks in common use.

B. The following requirements in theory, combined with piano, voice, violin, or other orchestral instruments. The examination in theory will be adapted to the proficiency of those who have had one year's systematic training with at least one lesson a week, or its equivalent. The candidate should have acquired:

(a) A knowledge of the rudiments of music, scales, intervals, and staff notation, including the terms and expression marks in common use.

(b) The ability to analyze the harmony and form of hymn tunes and simple pieces for the piano, involving triads and the dominant seventh and their inversions, passing tones and modulation to related keys.

(c) The ability to harmonize in four vocal parts, melodic fragments involving the use of triads and the dominant seventh chord, and their inversions, in the major keys.

(d) An examination in practical music, piano, organ, violin or voice.

SCIENCES

BOTANY

The general principles of anatomy and morphology, physiology and ecology. Two-thirds of the time should be devoted to individual laboratory work recorded by descriptions and drawings. (One-half unit.)

CHEMISTRY

The study of at least one standard text book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elementary chemistry. Laboratory work, substantially that outlined in Document 25 of College Entrance Board, recorded in a note book, certified by the teacher to be the original work of the student. This note book must be presented upon request. (One unit.)

PHYSICS

The study of a standard text book, the equivalent of Milliken and Gale's *First Principles in Physics*, Instruction by lecturetable demonstrations of the practical aspects and applications of the fundamental phenomena and laws of physics. Laboratory work, including at least thirty experiments recorded in a note book certified by the instructor to be the original work of the student. These experiments should be chosen to give forceful illustration of the most important facts and laws of mechanics, heat, light and electricity. Four recitations and two hours of laboratory work each week for one year. (One unit.)

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing without examination if they present credits from other colleges whose entrance requirements and whose courses of study are equivalent to those of Pennsylvania College for Women. All others who desire advanced credit must pass examinations in subjects offered as college work. No student will be admitted to candidacy for the baccalaureate degree after the beginning of the senior year.

CERTIFICATE COURSES

In the Music, Social Service, and Spoken English Departments, courses leading to certificates are offered. These courses are open to students registered for the A. B. degree, and involve for them only the recognition of a major in these subjects, together with further electives in their preferred field, but relieve them of none of their required work. A graduate may not receive more than one certificate in addition to the degree.

Students not candidates for degrees may register for certificates, provided they can meet the requirements for admission to the Freshman class, or have had such training as will warrant their admission to college classes. The College welcomes as students, persons of mature age and earnest purpose.

Further information in regard to certificate courses may be obtained from pages 51, 57-58, 60 in this catalogue.

STUDENTS NOT IN REGULAR COURSES

Students may receive instruction without becoming candidates for a degree or certificate, but are permitted to enter only those classes for which their previous training has fitted them. They are required to consult with the Dean concerning their courses.

ART

A well known local artist, Miss Anna Craig, has a studio in the building. Instruction is given in illustrating, painting, sketching and design. All arrangements in regard to lessons should be made with Miss Craig.

GRADUATE WORK

The Degree of Master of Arts is conferred upon those who hold the Bachelor's degree of this College or of some other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the faculty that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English <i>Course D</i> 3 hours	Bible <i>Course C</i> 3 hours	Psychology 3 hours	Elective 15 hours
Mathematics <i>Course D</i> 3 hours	Physics or Chemistry 3 hours	Spoken English 1 hour	
Language 3 hours	Language 3 hours	Elective *11 hours	
History <i>Course D</i> 3 hours	Elective 6 hours		
Elective 3 hours			
15 hours	15 hours	15 hours	15 hours

*A three-hour course in English Literature must be elected in the Sophomore, Junior, or Senior year.

Courses of Instruction

Biblical Literature

MISS BROWNSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of Sophomores. Three hours through the year.

1. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the Apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective; open to Juniors and Seniors. Two hours, through the year.

BIOLOGY

MISS MCBURNEY

1-2. GENERAL BIOLOGY. Two lectures and one recitation a week, supplemented by one laboratory period. The course has been arranged for those who desire a general knowledge of biology, as well as for those who are preparing for advanced work. Field trips will be taken.

Elective; open to all classes. Three hours through the year.

CHEMISTRY

DR. GARNER, MISS MCBURNEY

1-2. GENERAL INORGANIC CHEMISTRY. *First Semester:* Study of the fundamental principles and laws. Chemistry of types of non-metals. Correlation of properties of non-metals from standpoint of the Periodic Law. *Second Semester:* Chemistry of metals. Introduction to Qualitative Analysis. Lectures, two hours per week; laboratory, five hours per week.

3-4. GENERAL ANALYTICAL CHEMISTRY. *First Semester:* Qualitative analysis. Reaction of basic and acidic ions. Study of theories of solution, mass action and chemical equilibrium. Analysis of complex mixtures and ores. *Second Semester:* Volumetric Quantitative Analysis: Acidimetry and alkalimetry; theory of indicators; precipitation and oxidation methods; iodimetry. Lectures, one hour per week; laboratory seven and one-half hours per week.

5-6. GENERAL ORGANIC CHEMISTRY. *First Semester:* Chemistry of Aliphatic Series. Molecular weight determinations. Distillation and fractionation of (a) crude petroleum and refined petroleum products; and (b) coal tar and light oils. Organic preparations. *Second Semester:* Chemistry of Carbocyclic and Heterocyclic compounds. Organic preparations. Lectures, two hours per week; laboratory, six hours per week.

EDUCATION

MISS WINTERS

1-2. HISTORY AND PRINCIPLES OF EDUCATION. The development of educational ideals, institutions and methods,

with special reference to modern educational thought and practice.

Elective; open to Juniors and Seniors. Three hours, through the year.

3. THE CHILD IN THE ELEMENTARY SCHOOL. Mental development, through the adolescent period. Application of the results of child-study to the elementary school.

Elective; open to Seniors. Two hours, first semester.

4. A STUDY OF THE MODERN HIGH SCHOOL. A practical course in discussion of school activities and consideration of class room methods and management. Opportunity will be given for observation in selected high schools.

Elective; open to seniors. Two hours, second semester.

An additional hour, with credit, may be taken.

Courses in teaching are provided in the departments of English, History, Mathematics and Physics.

The diplomas of students who have taken the 200 hours of educational work required by the school code are countersigned by the school authorities. The courses in other departments which may be counted to meet the state requirements are English 19; History 12; Physics 9-10; Psychology 1-2, 3-4, 5, 7, and 10; Sociology 7-8.

Graduates of the College receive teachers' certificates for Pennsylvania, under the school code. Arrangements have also been made with the New York State Board of Education whereby graduates receive the College Graduates' Professional Certificates. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

ENGLISH

DR. BAILEY, MISS BEBEE

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text book. Class room discussions. Individual conferences.

Required of Freshmen. Three hours through the year. An additional hour required of students who are failing to carry satisfactorily the work of this course.

1-2. LITERARY TYPES. An introduction to the appreciation of literature. Definition of literature as one of the fine arts. The essential difference between prose and poetry. The origin and development of the typical forms of literature. Readings in the lyric, the essay, the novel, the short-story, and the drama.

Elective; primarily for Freshmen, open to Sophomores. Three hours through the year.

3-4. LITERATURE OF THE NINETEENTH CENTURY. A study of the more important English writers from Wordsworth to Meredith as reflecting the social, intellectual and religious movements of the nineteenth century.

Elective; primarily for Sophomores, open to upper-classmen. Three hours through the year.

11-12. THE DRAMA. A study of the origin and development of the English drama. The work of the first semester is largely historical in character; that of the second is devoted almost exclusively to Shakespeare.

Elective; open to Juniors and Seniors. Three hours through the year. Given in alternate years. Not offered in 1919-1920.

13-14. OLD AND MIDDLE ENGLISH. Stress is laid in the first semester upon Anglo-Saxon; in the second upon Chaucer.

Elective; open to Juniors and Seniors. Three hours through the year. This course may be elected in the second semester for two hours' credit by those who have not taken the first term's work. Students making such election will recite but twice a week. Given in alternate years. Offered in 1919-1920.

15-16. LITERARY CRITICISM. A study of method beginning with that discoverable in Aristotle's "Poetics" and concluding with that presented in Meredith's "Essay on Comedy."

Elective; open to Juniors and Seniors. Three hours through the year. Given in alternate years. Not offered in 1919-1920.

17-18. BROWNING. A seminar in the poetry and philosophy of Robert Browning. Lectures. Papers. Discussions.

Elective; open to Seniors. One hour through the year.

19. THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. A practical course in methods of presentation of subject matter. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. One hour, second semester.

5-6. COMPOSITION, ADVANCED. Practice in the different types of expression, oral and written, with the purpose of enabling a student with talent to find her field for specialization.

Elective; open to all but Freshmen. Two hours, through the year.

7-8. COMPOSITION, SPECIALIZED. Intensive work in any one of the following courses: Newspaper and Magazine Writing; Drama and the Photo-Play; Short-Story; Versification.

Elective. Prerequisite: Proof of marked ability.
Three hours through the year.

9-10. NON-DRAMATIC LITERATURE OF THE SIXTEENTH AND SEVENTEENTH CENTURIES. A study of English literature beginning with the poets contributing to "Tottel's Miscellany" and ending with the death of Dryden.

Elective; open to Juniors and Seniors. Three hours through the year. Given in alternate years.
Offered in 1919-1920.

21-22. PRINCIPLES OF ARGUMENTATION AND DEBATE.
Elective; Two hours through the year.

23-24. THE DEVELOPMENT OF ENGLISH LITERATURE. A general survey of English literature from Anglo-Saxon times until the present day. Lectures and required readings.

Elective; open to all students other than Freshmen.
Two hours through the year. Given in alternate years. Not offered in 1919-1920.

25-26. AN INTRODUCTION TO AMERICAN LITERATURE. A general survey of American literature from Colonial times until the present day. Lectures, and required readings.

Elective; open to all students other than Freshmen.
Two hours through the year. Given in alternate years. Offered in 1919-1920.

Courses 23-24 and 25-26, if elected in succession, may be used together to meet the demand of a three-hour required course in English Literature. See page 26.

FRENCH

MISS ELY, MISS MERRITT, MISS STARR

1-2. ELEMENTARY COURSE. Grammar, reading, prose composition, phonetic training, conversation. An introduction to the study of French institutions.

Elective; open to Freshmen and Sophomores who have had no French, or one year of high school French. Three hours through the year.

3-4. INTERMEDIATE COURSE. Reading of representative short story writers and historians. Résumés of stories read. Advanced grammar, composition, and conversation.

Elective; open to students who have presented two units in French or have taken Course 1-2. Three hours, through the year.

5-6. LITERATURE OF THE 17TH AND 18TH CENTURIES. Critical study of Racine, Corneille, Molière, Madame de Sévigné, Voltaire, Rousseau, etc. Résumés and composition.

Elective. Prerequisite: Course 3-4. Three hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English. Valuable for students preparing for library or similar work.

Elective. Two hours through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach. One hour, through the year.

17-18. LITERATURE OF THE 19TH CENTURY. A critical study of Dumas père, Dumas fils, Victor Hugo, de Musset, George Sand. Résumés and composition based upon works read.

Elective. Prerequisite: Course 5-6. Three hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERYDAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. One hour, through the year.

21-22. LITERATURE OF THE 19TH AND 20TH CENTURIES. A critical study of Balzac and rapid reading of current literature and drama. Essays in French. The presentation of one or more plays.

Elective. Prerequisite: Course 5-6, or its equivalent. Three hours, through the year.

GERMAN

MISS STARR

1-2. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective; open to students who do not present German at entrance. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective; open to students who present two units of German, or who have taken Course 1-2. Three hours, through the year.

5-6. CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective; open to students who present three units of German, or who have taken Course 3-4. Three hours through the year.

7-8. ADVANCED COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms, etymology and syntax.

Elective. Prerequisite. Course 5-6, or its equivalent. Especially recommended to those who expect to teach German. One hour, through the year.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of selected periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite: Course 5-6, or its equivalent. One hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of well known authors. Lectures. Essays.

(a) The drama. One hour, through the year.

(b) The novel. Two hours, through the year.

Elective. Prerequisite: Course 5-6.

GREEK

MISS GREEN, DEAN ROOT

1-2. ELEMENTARY COURSE. Grammar, prose composition. Xenophon, *Anabasis*.

Elective; open to all students. Three hours, through the year.

3-4. XENOPHON, ANABASIS (continued), with prose composition. Selections from Homer's *Iliad* and *Odyssey*. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the Homeric Epics by use of the text and translations, supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, *Alcestis*, or *Medea*. Prose composition based upon the prose authors studied.

Elective; open to Freshmen entering with three units of Greek and to students who have completed Course

3-4. Three hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing the origin, development, and decline.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

11-12. PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. One hour, through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course, like that of Latin 11-12, is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is therefore not required.

Elective; open to advanced students. One hour, through the year.

HISTORY AND POLITICAL SCIENCE

MISS BROWNSON, MISS WHITE

D. INTRODUCTORY COURSE. A study of the rise of the nations, and of such topics as feudalism, the crusades, the growth of towns, and the struggles between church and state, from the period of the barbarian invasions to the Renaissance.

Required of Freshmen. Three hours, through the year.

1-2. MODERN EUROPEAN HISTORY, 1500-1815. Emphasis is placed upon the Renaissance movement, the Protestant Reformation, the Revolutionary and Napoleonic periods in France.

Elective. Three hours, through the year.

3-4. EUROPE FROM 1815 to 1918. This course begins with the Congress of Vienna and closes with a study of the Great War.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5. AMERICAN CONSTITUTIONAL HISTORY. A study of the Constitution, with reference to its origin, principles, limitations on federal and state powers, application to national problems.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

6. AMERICAN CONSTITUTIONAL GOVERNMENT. A study of the organization and practical working of the national government.

Elective. Prerequisite: Course 5. Three hours, second semester.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding present movements and questions.

Elective. One hour, through the year.

9. INTERNATIONAL LAW. A course designed to aid students in the understanding and discussion of international relations. The study of some important cases will be undertaken.

Elective. Prerequisite: Course 3-4. Three hours, first semester.

10. AMERICAN DIPLOMATIC HISTORY. A survey of the international relations of the United States, including questions of dispute during the last century between the United

States and European countries, relations with Latin America and the Far East, the share of the United States in the Hague Conferences.

Elective. Prerequisite: Course 9. Three hours, second semester.

12. TEACHING OF HISTORY. A consideration of the use of historical material, the criticism of text books, and the methods of teaching history in elementary and secondary schools. Opportunity will be given for observation work in city schools.

Elective; open to Seniors. One hour, second semester.

13-14. HISTORY OF ART. Outline of the development of architecture, sculpture and painting. Lectures, readings, study of photographs, visits to Carnegie Institute.

Elective. Two hours, through the year.

15-16. GOVERNMENTAL PRINCIPLES OF MODERN EUROPEAN STATES. A comparative study based on the British imperial government.

Elective. Prerequisite: Course 1-2. 2 hours through the year.

ITALIAN

MISS MERRITT

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. Three hours, through the year.

3-4. ADVANCED COURSE. Reading of modern prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

LATIN

MISS GREEN

1-2. CICERO, DE SENECTUTE, OR DE AMICITIA; LIVY, selections from Books I, XXI, XXII; Horace, *Odes and Epodes*.

Elective; open to students who present four units of Latin. Three hours, through the year.

3. PLAUTUS AND TERENCE. Selected plays. The development of Roman comedy.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. HORACE, SATIRES AND EPISTLES.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. STUDIES IN PLINY, JUVENAL, TACITUS. Roman society under the early empire.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

7. LYRIC AND ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, Ovid.

Elective; open to Juniors and Seniors. Three hours, first semester. Given in alternate years.

8. LUCRETIUS, DE RERUM NATURA; CICERO, DE NATURA DEORUM. An introduction to the study of Roman philosophy.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

9-10. PROSE COMPOSITION.

Elective; open to Juniors and Seniors. One hour, through the year.

11. THE TOPOGRAPHY AND MONUMENTS OF ROME.

Elective; open to all students. Two hours, first semester.

12. PRIVATE LIFE OF THE ROMANS.

Elective; open to all students. Two hours, second semester.

13-14. CICERO, SELECTIONS; OR, VIRGIL AND OVID, SELECTIONS.

Elective; open to students who present two or three years of Latin or who have completed Course 15-16. Three hours, through the year; four hours required of students inadequately prepared.

15-16. ELEMENTARY LATIN. Grammar, Caesar, Nepos. This course offered without credit to satisfy Latin entrance requirements in the case of students who have not elected Latin in preparatory schools.

Four hours, through the year.

MATHEMATICS

MISS BENNETT

D-1. SOLID AND SPHERICAL GEOMETRY. Required of Freshmen not offering Solid Geometry for entrance.

Three hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY. Trigonometric analysis, including transformations and proofs of formulae, trigonometric equations and inverse functions. The solution of right, oblique and spherical triangles by means of logarithms.

Required of Freshmen. Three hours, second semester.

1. HIGHER ALGEBRA. Permutations and combinations. Complex numbers with graphical representation of sums and differences. Determinants. Binomial theorem, with proof. Partial fractions. Theory of equations, with graphic methods, including Descartes' rule of signs and Horner's method.

Open to Sophomores and required of Freshmen offering Solid Geometry for entrance. Students intending to pursue courses in higher mathematics are recommended to elect this course. Three hours, first semester.

3. PLANE ANALYTIC GEOMETRY.

Elective. Three hours, one semester.

4. SOLID ANALYTIC GEOMETRY.

Elective. Prerequisite, Course 3. Three hours, one semester.

5. DIFFERENTIAL CALCULUS.

Elective. Prerequisite: Courses 3 and 4. Three hours, one semester.

6. INTEGRAL CALCULUS.

Elective. Prerequisite: Course 5. Three hours, one semester.

7. HISTORY OF MATHEMATICS. This course treats of the development of mathematics from the earliest known times. The subjects considered are number systems, numerals, arithmetic, algebra and geometry.

Elective. Two hours, one semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS. This course is intended for those who wish to teach mathematics in high schools. Instruction is given in the explanation of mathematical processes to elementary classes. Opportunity is afforded to observe teaching in the city high schools.

Elective. One hour, second semester.

10. ASTRONOMY. A general study of the phenomena of the sky. The solar and stellar systems. Location of principal constellations.

Elective. Three hours, second semester.

MUSIC

MR. WALTER WILD, *Director*

MISS MAE B. MACKENZIE

MISS EMMA SELMEIER

MR. FRANK J. BROSKIE

THEORETICAL COURSES

1-2. MUSICAL RUDIMENTS. The elements of Notation, Scales, Keys, and Intervals. The study of Chords; their construction, relation, and progression. The writing of original melodies. Particular stress is laid upon Aural-Training.

Elective. Two hours, through the year.

3-4. HARMONY. The working of figured basses, including Chords of the Seventh, Modulation, and Passing-Notes. The harmonization of melodies in four parts for voices. The composition of short, original exercises in four parts.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

5-6. ADVANCED HARMONY AND ELEMENTARY COUNTERPOINT. The working of figured basses up to and including Chords of the Thirteenth. The harmonization of unfigured basses and melodies, in four parts, for voices, strings, or organ. The composition of original exercises: instrumental and vocal. The different species of Counterpoint; exercises in Simple and Combined Counterpoint.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

7-8. ADVANCED COUNTERPOINT, ORCHESTRATION AND FORM. Exercises in Combined Counterpoint in four parts. The writing of Fugal Expositions, involving Double Counterpoint. Thorough analysis of all the larger forms. The scoring of pianoforte extracts for full orchestra.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

9-10. MODERN COMPOSITION. Discussions of the new forms of modern music. The harmony of the French and Russian schools. Orchestration. The nature, compass, tone color and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by the various composers.

Elective. Prerequisite: Course 5-6. One hour through the year.

11-12. HISTORY OF MUSIC. The development of music from its earliest stages; the rise of church music, opera and oratorio. Biographical sketches of famous composers and their compositions. Open to students taking Course 1-2.

Elective. One hour, through the year.

13-14. APPRECIATION OF MUSIC. A free and untechnical study of men, masterpieces and criticism. Brief programs given in connection with the lectures.

Open to all students. One hour through the year.

All theoretical courses are counted toward the Baccalaureate degree.

PRACTICAL COURSES

Individual lessons are given in Piano, Organ, Violin and other Orchestral instruments, and Voice.

Practical work in Music may be counted toward the Baccalaureate degree, if it is sufficiently advanced in character.

All practical work carrying college credit must be accompanied by theoretical work, and not more than two hours of practical work each year may be so counted.

Two lessons a week with not less than six hours of practice a week count as *two hours*.

One lesson a week with not less than six hours practice a week counts as *one hour*.

Lessons are 30 minutes in length.

The practical courses are subject to fees as stated on pages 71 and 72 of the Catalogue.

PIANO

MR. WILD, MISS MACKENZIE

1-2. Technique, a study of scales, arpeggios, chords and octaves. Studies of the grade of Czerny opus 299; Bach Two-Part Inventions; Mozart Sonatas. Selected compositions within the grade and suited to the needs of the student. Special emphasis laid on accurate memorizing.

3-4. Further development of the technique by addition of more complicated exercises and rhythms. Studies of the grade of Cramer-Bulow; the easier sonatas of Beethoven. Classic and modern compositions giving various styles and rhythms.

Prerequisite: Course 1-2 or its equivalent.

5-6. Continued development of a fluent and versatile technique and reliable memory. Studies of the grade of Czerny opus 740; Clementi-Tausig Gradus ad Parnassum; Bach Suites; Beethoven Sonatas. Works of classic, romantic and modern composers.

Prerequisite: Course 3-4 or its equivalent.

7-8. Advanced technical development. Studies by Chopin; Bach Preludes and Fugues; more difficult Sonatas of Beethoven. Selection of compositions suitable for recital, Chopin, Liszt, Schumann, Brahms, Debussy, Rachmaninoff. The study of some standard concerto such as Mendelssohn, Schubert or Saint Saens.

Prerequisite: Course 5-6 or its equivalent.

9-10. Advanced work for graduates or undergraduates who have completed Course 7-8.

SINGING

MISS SELMEIER

1-2. **ELEMENTARY COURSE.** Control of the breath. Development of resonance and beauty of tone in relation to vowel sounds. Studies in the formation of consonants. Ear training; intonation and rhythm. Simple exercises and songs.

3-4. **INTERMEDIATE COURSE.** Florid exercises; scales, roulades, trills, and other embellishments. Special work in articulation, phrasing, freedom of tone and of facial expression. Advanced vocalises and songs.

5-6. **ADVANCED COURSE.** Development of style. Interpretation; analysis of thought in song poems. The treatment of different schools of composition. The preparation of recital programs. Special studies; Church, Oratorio, Concert, Opera.

7-8. **NORMAL COURSE.** Résumé of Elementary, Intermediate, and Advanced Courses. Studies in the causes and treatment of the tremolo (in its different phases), nasality, faulty intonation, etc. Methods in teaching, with opportunity for observation.

9-10. **GRADUATE COURSE.** Advanced studies in tone production and technique. Preparation of a repertoire of songs and arias of various countries, styles and periods. Coaching for professional work; comparison of methods; history of vocal art.

ORGAN

MR. WILD

1-2. Manual and pedal technique. Pieces involving the fundamental principles of registration.

For students who have taken Piano 1-2 or its equivalent.

3-4. Mendelssohn's organ works; smaller Preludes and Fugues of Bach; easier works of the modern composers; church service playing.

5-6. Merkel and Rheinberger sonatas; larger works of Bach.

7-8. Continued study of the larger works of Bach; advanced works of the modern French, English and American schools.

VIOLIN

MR. BROSKE

1-2. DEVELOPMENT OF FINGER AND BOW TECHNIQUE. Studies of Sevcik, Sitt, Mazas. Assimilation of the spirit of the various schools of composition, classic and modern. Concertinos, sonatas, salon pieces.

2-3. STUDIES OF SEVCIK, DONT, BROSKE, SITT. Exercises in double stopping, scales, arpeggios, trills, tone production, advanced bowing. Concertos of Viotte, Rode, de Beriot, Kreutzer, David. Various styles of concert pieces.

3-4. ADVANCED STUDIES OF SEVCIK, KREUTZER, FIORILLO. Concertos of Spohr, Mozart, Bach, Godard. Selected works of Vieuxtemps, Hubay. Study of Chamber Music.

4-5. ADVANCED TECHNIQUE. Studies of Rode, artistic études, Mazas, Gavinies. Sonatas of Beethoven, Grieg, Brahms. Concertos of Spohr, Bruch, Mendelssohn.

REQUIREMENTS FOR CERTIFICATE IN MUSIC

(a) Candidates for the B. A. degree who wish also the certificate of the Department of Music are required to take practical music, two lessons a week throughout the four years. They must also complete courses 1-2, 3-4, 5-6 and 11-12 in theoretical music; but not more than 12 hours from the music department may be credited toward the 60 hours required for the B. A. degree.

(b) Students not candidates for the B.A. degree who wish the Certificate of the Department of Music are required to take practical music—two lessons a week with not less than 12 hours practice a week. They must complete courses 1-2, 3-4, 5-6 and 7-8 in practical music and courses 1-2, 3-4, 5-6, 11-12, 13-14 in theoretical music.

They must take from 6 to 8 hours per week of academic work as may be decided in consultation with the Dean.

The time occupied in study for the certificate depends upon the ability of the student, her proficiency at the time of entrance and her subsequent diligence; in general three years are necessary.

PHYSICAL EDUCATION

MISS GIFFORD

1-2. GYMNASTICS. Marching; free-hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of Freshmen. One hour, through the year.
Without academic credit.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2, with advanced work.

Required of Sophomores. One hour, through the year.
Without academic credit.

5-6. AESTHETIC DANCING. Dancing technique. Simple aesthetic dancing. Folk dances.

Elective; open to all classes. One hour, through the year. Credit given only for certificates in Social Service, Music and Expression.

7-8. ADVANCED AESTHETIC DANCING. A continuation of course 5-6. A study of the interpretation of music through dancing. Original work required. The dancing skirt will be worn in this class. Course will be given if elected by twelve students.

Elective. Prerequisite: Course 5-6. One hour, through the year. Credit given only to certificate students.

9-10. PLAYS AND GAMES. A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized.

Elective; open to all students. One hour, through the year. Credit given only to certificate students.

11-12. PHYSIOLOGY AND HYGIENE.

Elective; open to all students. One hour, through the year.

NOTE. Regulation suit—black bloomers, white blouse and gymnasium shoes. Dancing skirt and ballet slippers requested for courses 5-6, 7-8. Students are advised to bring hockey sticks, tennis rackets, etc., for outdoor work in fall and spring.

PHYSICS

MISS HOLCOMB

1-2. GENERAL EXPERIMENTAL PHYSICS. Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems.

Elective; open to students who have not presented Physics at entrance. Three hours, through the year. Three-hour laboratory period. An additional hour is required for students intending to enter professional schools.

This course, or Course 1-2 in Chemistry, required of students in the freshman or sophomore year.

12. GENERAL COURSE. Similar to 1-2, but somewhat more advanced.

Elective; open to students who have offered Physics at entrance. Three hours, first semester.

This course, with Course 7, may be substituted for the required sophomore science.

5. LIGHT.

Elective. Prerequisite: Course 1-2 or 12. Three hours, first semester. Three-hour laboratory period. This course alternates with Course 7.

6. HEAT.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, second semester; alternate years.

7. ELECTRICITY AND MAGNETISM.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, one semester. Three-hour laboratory period. This course alternates with Course 5.

9-10. TEACHING OF PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. One hour, through the year. An additional hour, with credit, may be taken.

PSYCHOLOGY AND PHILOSOPHY

MISS WINTERS, MISS HOLCOMB

1-2. GENERAL PSYCHOLOGY. The facts and laws of mental life. An introductory course. Laboratory method. Required of Juniors. Three hours, through the year.

3-4. ADVANCED PSYCHOLOGY. Experimental. The intensive study of learning, memory, association, etc. Application of the principles of psychology to the problem of Education; laboratory work supplemented by lectures and discussions.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

9. GENETIC PSYCHOLOGY. See Education 3.

10. SOCIAL PSYCHOLOGY. A study of the social consciousness, the phenomena of imitation and suggestion, the development of language, religion and art as means of social expression.

Elective. Prerequisite: Course 1-2. Two hours, second semester.

7. ETHICS. The history of ethical philosophy, and a study of the fundamental principles of morality.

Elective; open to Juniors and Seniors. Three hours, first semester.

8. INTRODUCTION TO PHILOSOPHY. A brief survey of the scope and the problems of philosophy, with a general outline of its history. Lectures, discussions, collateral readings.

Elective; open to Juniors and Seniors. Three hours, second semester.

SOCIOLOGY AND ECONOMICS

MISS MELOY, DR. ACHESON

7-8. SOCIOLOGY. Elements of general sociology. Comparison of the views of prominent sociologists. Social organization.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

9-10. ECONOMICS. An introduction to principles and to practical economic problems.

Elective; open to Juniors and Seniors, and to special students. Two hours, through the year.

1-2. SOCIAL SERVICE. Theory and Observation. Theory: History and principles of social movements for the relief of dependency and for welfare; the social treatment of delinquency; the newer forms of preventive and constructive work. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh. Lectures by prominent social workers.

Elective; open to Freshmen, Sophomores, and Juniors, and to special students. Three hours, through the year.

3-4. SOCIAL SERVICE. Theory and Practice. Theory: Causes of poverty and degeneration; methods of professional social work. Field work, one afternoon weekly; Investigation and visiting, or the direction of group activities, for a charitable organization or welfare agency. A thesis is required, showing personal experience and knowledge of approved methods.

Prerequisite: Course 1-2. Open only to candidates for the certificate in Social Service. Three hours, through the year.

5. IMMIGRATION. An outline of the history, causes and problems of American immigration, with practical applications.

Elective; open to all students. Two hours, first semester.

6. SOCIAL LEGISLATION. Development and principles of laws with which social workers must be familiar.

Elective; open to all students. Two hours, second semester.

11-12. THE AMERICAN COMMUNITY. Organization of the city; its needs and problems; agencies and methods of welfare. The rural community.

This course is an introduction to social study, planned for students who expect to teach in the public schools.

Elective; open to all students. One hour, through the year.

REQUIREMENTS FOR CERTIFICATE IN SOCIAL SERVICE

The certificate in Social Service is given to special students who complete the Social Service courses with related subjects, together with other required collegiate subjects, or to regular students who are candidates for the degree of A. B.

Special students may satisfy the requirements for the certificate by completing thirty hours of work. The minimum time in which this can be done is two years. Students are advised to give three years, which would afford the opportunity for broader experience in field work and for a greater variety of studies in the college curriculum. Re-

quired for the certificate are the following courses: Social Service 1-2, Social Service 3-4, Sociology, Immigration and Social Legislation, Psychology 1-2, Chemistry or Biology, Economics, a modern language, Freshman Rhetoric, (English D), Story Telling, Plays and Games—26 hours; and 4 hours chosen from the following: History, Bible C, American Community, Music (two half-hour lessons weekly), Aesthetic Dancing, private lessons in Spoken English. Substitution for any of these requirements may be made only with the approval of the Dean and the head of the department.

Regular students who begin the study of Social Service early in the college course may take the certificate by electing the subjects in the department of Sociology and Economics (with exception of Course 11-12), together with Plays and Games and Story Telling. Such students must provide for the giving of extra time to field work or to the investigation required as a basis for the essay which is part of the work of Social Service 3-4. If desired, this extra time may be arranged for during a summer vacation.

SPANISH

MISS STARR

1-2. ELEMENTARY COURSE. Grammar, composition, reading, conversation.

Elective; three hours, through the year.

3-4. HISTORY OF LITERATURE. Reading of representative authors. Advanced prose composition.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5. LIFE AND LITERATURE IN SPANISH AMERICA.

Elective. Prerequisite: Course 3-4. Three hours, one semester.

6. DON QUIXOTE. First part.

Elective. Prerequisite: Course 3-4. Three hours, one semester.

SPOKEN ENGLISH

MISS KERST, MISS PAUL

1-2. FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION. Training of the voice for speaking. Analysis and presentation of selections. Two laboratory appointments each semester.

Elective; open to Freshmen. One hour, through the year.

3-4. DEBATE, EXTEMPORANEOUS SPEAKING, INTERPRETATION. Two laboratory appointments each semester.

Elective; open to Freshmen and Sophomores. One hour, through the year.

5-6. INTERPRETATIVE READING. Shakespeare, Browning, Tennyson.

Elective; open to Juniors, and required of those who have not previously studied Spoken English. One hour, through the year.

7-8. ADVANCED TRAINING IN DRAMATICS. The study and presentation of one drama. The cultivation of imagination and dramatic instinct.

Elective; open to Seniors. One hour, through the year.

9. **DRAMATIC APPRECIATION.** A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays from different periods.

Elective; open to all students. Two hours, through the year.

11-12. **STORY TELLING.** The story as related to child psychology; the origin of story telling; classifying, grouping, adapting, dramatizing and writing of stories. Students will be required to tell stories before the class and outside of College, in schools, settlements, clubs, etc.

Elective. One hour, through the year.

Students' recitals are occasionally given.

Private work in this department may be arranged by consultation with the instructor.

REQUIREMENTS FOR CERTIFICATE IN SPOKEN ENGLISH

(a) Eight hours of college work a year for two years, which must include one year each of History, Psychology, Education, History of Art; and also Physical Training, Courses 5-6, 9-10. A modern language is strongly recommended.

(b) Seven hours of work a year in the departments of English, and Spoken English, for two years, including all the courses offered by the latter department, and two private lessons a week.

(c) The presentation of one public program the first year, and two the second, with the final program at graduation.

Lecturers

1918-1919

Mr. Edward A. Meade.....	Disraeli
Mr. Raphael Emmanuel.....	Mesopotamia
Rev. Robt. A. MacGowan.....	Day of Prayer
Mr. Harlow A. McConaughey.....	Russian Situation
Dr. E. R. Weidlein.....	Mellon Institute
Mr. W. M. Ragsdale.....	Naturalization
Mr. Jno. W. Bengough.....	Land Values
Dr. Harold C. Goddard.....	
....	The Function of the Arts in Democratic Education
Miss Mary W. Brownson.....	World's Food Situation
....	The United States Food Administration
....	Our Call to Patriotic Service in Food Conservation
Miss Helen Fraser.....	Women in War Work
Miss Delia Marble.....	
.....	Woman's Land Army of America
Miss Geer.....	Farmerettes
Miss Siri Engstromer.....	
.....	French-English Hospital, Limoges, France
Capt. J. M. de Beaufort.....	Belgium
Dr. John C. Acheson.....	Experiences in France
Dr. John C. Acheson.....	Baccalaureate Sermon
Dr. Hugh Thomson Kerr.....	Commencement Address

Mr. Walter Wild	}	.....Recital
Miss Mae MacKenzie		
Miss Emma Selmeier		
Dr. Daniel L. Marsh.....		Experiences in France
Prof. Emmanuel Martonné.....		The France of Today
Mr. Frederick Dean.....		Siam
Dr. John A. Brashear.....		The New Astronomy

Vesper Speakers

Dr. George B. Lawson	Miss Cora H. Coolidge
Dr. Samuel J. Fisher	Dr. E. J. Bailey
Dr. John R. Ewers	Dean Florence Root
Rev. Wm. M. Buzza	Col. Evans
Miss Mary W. Brownson	Miss Alice Laidlaw
Dr. Geo. L. Robinson	Rev. T. Stacey Capers
Miss Janet L. Brownlee	Miss Dorothea Chambers
President Acheson	Rev. C. P. MacLaughlin
Rev. Edwin J. Van Etten	Miss J. Eschenbrenner
Rev. David Lang	

Regulations in Regard to Academic Matters

Requirements for Graduation: The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty hours of college work.

The unit of time used in measuring the value of work is a year hour; that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may, by permission of the scholarship committee, carry extra work not to exceed one hour a week.

The total requirement for the Bachelor's degree is as follows:

English.....	6 hours
Mathematics.....	3 hours
History.....	3 hours
Science.....	3 hours
Philosophy.....	3 hours
Biblical Literature.....	3 hours
Language (other than English)....	6 hours
Spoken English.....	1 hour
Elective work.....	32 hours

Elective Work: Each student is required to elect at least eight hours of work in one department and six hours in an allied department. Students should consult the Dean in regard to such elections before the beginning of Junior year.

Attendance: Every student is expected to attend all of her scheduled college exercises, and may expect that the grade of her work will be affected by regularity. Absences at the beginning or end of vacations must be made up by an examination, accompanied by a fee of \$2.00 in each subject in which a recitation has been missed. Such examinations are to be taken within two weeks. Failure to comply with this regulation requires the student to drop the regular work of the course until the test has been taken. Exceptions may be made by the Scholarship Committee in the case of a student who presents a written explanation from parent or guardian showing illness of student or in the immediate family, or other emergency.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by instructors, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

Examinations: Examinations are given in all subjects at the end of each semester. Students failing to present themselves for examination in any course may secure private examination only by permission of the Dean and upon payment of a fee of \$2.00. This fee is also charged for tests taken to remove conditions, except entrance conditions. If several examinations are to be taken under one permit in case of sickness, a fee of \$3.00 shall cover the list. Partial examinations, assigned during the semester at the discretion of instructors, are under the same regulations as others, except that the Dean may remit the fee, in case of illness.

Conditions: All entrance conditions are to be removed before a student is allowed to begin the work of the Sophomore year, unless extension of time is granted by the Scholarship Committee.

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed with the permission of the Dean by prescribed work and re-examination, or by the repetition of the course when next regularly given.

Any required work unavoidably omitted or not completed at the time when it is regularly scheduled must be taken the next year.

Special Students: Special students are subject to the same requirements as other students as to attendance, examinations, standing in classes and general regulations.

Reports and Grades: Letters are used to designate academic standing. A represents 90-100; B, 80-90; C, 70-80; D, 60-70; E, failure.

For graduation a student must have to her credit a grade of C or above in thirty year hours out of the total of sixty hours required.

Reports will be sent to parents or guardians at the close of each semester during the Freshman and Sophomore years. Juniors and Seniors may receive their grades from the Dean on request.

General Information

SITUATION

The College, located in the East End of Pittsburgh, combines accessibility with seclusion to an unusual degree. The beautiful campus, bordering on Woodland Road, provides a natural amphitheatre which is employed with fine effect for the presentation of plays and pageants, and also an athletic field where space is found for tennis, basketball, and other outdoor sports.

Hamilton Avenue or Highland Park electric cars running out Fifth Avenue from the down-town district pass very near the campus entrances on Murray Hill Avenue and on Woodland Road. Persons entering the city by the Pennsylvania Lines should check their baggage to the East Liberty Station. Taxicabs may be taken from this station to the college.

BUILDINGS

Berry Hall is four stories in height. Its lower floors are employed chiefly for administrative purposes, but contain also the libraries and drawing rooms. For the convenience of day students especially, each class has been assigned a comfortably furnished room, known as a "Den."

Dilworth Hall is devoted to academic uses. In it are the assembly hall, lecture rooms and laboratories.

Music Hall contains studios and practice rooms.

The Gymnasium occupies the lower floor of Music Hall.

Woodland Hall is a residence house. It is a four-story fire-proof building containing a large reception hall, parlors, dining and service rooms, an infirmary, and living accommodations for fifty students. It is constructed after the most approved plans for college dormitories and has been found a commodious and very attractive home.

LIBRARY

The College Library is housed in Berry Hall and students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. The departmental collections are enlarged from time to time by gifts from the alumnae and friends, or by the appropriation of funds. Notable among the gifts of the past year is that of the classical library of the late William S. Pelletreau, by his niece, Mrs. John Biddle Clark. Dr. Elmer James Bailey also presented a large selection of books on various subjects from his private library. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an alumna of the college, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; as this fund increases, its interest becomes available for the purchase of important books.

There is an attractive reading room, supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

The nearness of the Carnegie Institute is a decided advantage to the College. The Institute has a library con-

taining 434,469 volumes, and maintains museums, and art galleries with valuable permanent collections of paintings, architecture, and sculpture. It holds exhibits of the work of both European and American artists, and in its halls are to be heard, from time to time, concerts and lectures of high standard.

RESIDENCE

It is the plan of the College to make dormitory life as homelike as possible. Every opportunity is given for pleasant intercourse among students and between faculty and students. Berry Hall and Woodland Hall have their own dining rooms and living rooms, and are presided over by experienced house directors.

The daily life of the residence halls is regulated by student government, through the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

Health is considered of the highest importance. Physical examinations are required of each resident student upon entrance, and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the College and has charge of all cases of illness, except a protracted or serious case demanding a private nurse. The infirmary in Woodland Hall is well equipped for the care and comfort of the sick.

The department of Physical Training in its required and elective courses offers opportunity for intelligent exercise and right physical development. All resident students are expected to take daily outdoor exercise.

EXPENSES

The charge for tuition to all regular students and those carrying twelve hours or more, whether living in the college buildings, or not, is \$150.00 a year.

The charge for tuition for certificate students in Music and Spoken English is \$100.00 a year, in addition to special fees for private lessons in each of these departments. Tuition is payable in advance and is not subject to return or deduction.

	<i>Per Year</i>
Registration Fee.....	\$ 5.00
Laboratory Fee.....	10.00
(A reasonable charge is made for breakage.)	
Advanced science course fee in proportion to material used.	

	<i>Per Year</i>
Spoken English :	
Private lessons, twice a week.....	\$100.00
Private lessons, once a week.....	60.00

Diploma:

Bachelor of Arts.....	5.00
Master of Arts.....	10.00
Tutoring, per hour.....	1.00
Special Examination.....	2.00
Laundry, plain pieces, per dozen.....	.50
Boarding During Vacation, per week.....	10.00

The charge for board and room to students living in halls of residence is \$350.00—this amount to be paid as follows:

September (at opening of College).....	\$175.00
February (at beginning of second semester)....	175.00

Fixed times and amounts of payments for tuition.

Candidates for degrees:

September (at opening of College).....	100.00
February (at beginning of second semester)....	50.00

Candidates for certificates:

September (at opening of College).....	60.00
February (at beginning of second semester)....	40.00

Students who are permitted to take seven hours or less of class room work a week, pay tuition for the year on the following scale: For a one hour course, \$15.00; a two hour course, \$30.00; a three hour course, \$45.00. Payment is due at the beginning of the year.

Payments must be made before the student can take her place in the class room. No exception will be made to this rule without written permission from the President.

Checks should be made payable to Pennsylvania College for Women.

No degree will be conferred and no record of credit will be given until all bills due the College by the candidate have been^y paid.

DEPARTMENT OF MUSIC

Tuition in music must always be paid in advance, and is not subject to return or deduction.

The following charges apply only to those students taking academic work in the College.

Instruction for the College year:

PIANOFORTE

Two lessons a week.....	\$100.00—\$150.00
One lesson a week.....	60.00— 80.00

ORGAN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

VIOLIN

Two lessons a week.....	\$100.00
One lesson a week.....	60.00

SINGING

Two lessons a week.....	\$100.00
One lesson a week.....	60.00

For use of the Pianoforte for College year.....	\$20.00
For use of the Pipe Organ for College year.....	30.00

The following charges apply only to those students not taking academic work in the College.

A Term consists of ten weeks, and may commence at any time.

PRACTICAL SUBJECTS

	Two half-hour lessons a week		One half-hour lesson a week	
	Term	Year	Term	Year
Piano.....	\$40-50	\$140-180	\$20-30	\$80-100
Voice.....	35	120	20	65
Organ.....	50	180	30	100
Violin.....	35	120	20	65
Elocution, etc.....	35	120	20	75
Languages.....	35	120	20	75

Special prices will be made with students taking two or more practical subjects.

THEORETICAL SUBJECTS

Private lessons in all theoretical subjects same price as for Piano.

Class instruction in all theoretical subjects, Spoken English, and Languages—each class generally meets twice a week, \$30 per year each class.

Use of Organ, one period daily, per year.....	\$30.00
Use of Piano, one period daily, per year.....	20.00

Special arrangements may be made for lessons on instruments not mentioned above.

SCHOLARSHIPS

Two scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved president of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, 406 Morewood Avenue, Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfil a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantages of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association, the Mary Hawes Nevin Scholarship by Mrs. John I. Nevin. These scholarships are granted for one year, but may be renewed upon application.

RELIGIOUS LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are required to be present at daily

prayers in the chapel, and resident students to be regular attendants at the church of their choice on Sunday mornings and at the Sunday vesper services in Berry Hall. The Young Women's Christian Association conducts a mid-week meeting, and Bible classes. Systematic Bible study is one of the college requirements.

SOCIAL LIFE

The College emphasizes religious and social life, for it believes both are essential parts of a liberal education. The Public Occasions Committee, with the Dean as Chairman, supervises all plans for entertainments and other social activities and every effort is made to assure day students an equal share with resident students in the enjoyment of all occasions. The traditional college celebrations are those of Color Day, Hallowe'en, Christmas, the Mid-year Dance, St. Valentine's Day, May Day and the Senior Play.

The Young Women's Christian Association gives a reception to new students at the beginning of the year. Class entertainments, recitals of the departments of Music and Spoken English, and many informal events throughout the year contribute to a pleasant social atmosphere.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as may be delegated to it by the faculty. Resident students have a branch of the Association which has in charge the interest of the dormitories.

The Young Women's Christian Association holds weekly prayer meetings and organizes Bible and mission study classes. The Association contributes to philanthropic and missionary work at home and abroad, and is responsible for the equipment of a room in the Young Women's Christian Association Building in Pittsburgh. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Pennsylvanian, the College year book, is published every other year by the Junior and Senior classes combined. It is a summary of student activities and student life.

The Sorosis, the College magazine, is published by the students and presents the varied interests of the College.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The society holds occasional open meetings for the presentation of special programs.

The College Musical Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented, with papers and discussions.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture and the occasional presentation of carefully selected plays. The principal event of the Club year is the pro-

duction of Senior dramatics. The plays in 1918 were: "Gringoire," by De Banville and "A Doctor in Spite of Himself," by Molière.

The Athletic Association affords the students of the college an opportunity to play basketball, tennis and all out-door games. Arrangements for swimming have been made at the Central Young Women's Christian Association.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city. This organization has an enthusiastic membership and its work is much valued in college life.

The Mandolin Club is open to students who play the mandolin or guitar. With the Glee Club it gives annual concerts, and assists at college functions and other entertainments.

Phi Pi was organized to create a more alert interest in the classics by discussing topics for which there is not time in the regular class room work, by presenting Greek and Latin plays, tableaux, or other attractive programs and by keeping the members informed on current literature bearing on the study of Latin and Greek.

The Chemistry Club was organized for the study of present day problems in Science. Membership is open to advanced students.

The "Cercle Français" is open only to students of advanced standing in the French department. It has been organized to promote a greater interest in conversational

French. Monthly meetings are held, at which one act plays and attractive programs are presented. The members are also eligible to the Alliance Française of Pittsburgh.

The Polity Club is an organization open to all students for the study of international affairs.

RECOMMENDATIONS

The College is deeply interested in the welfare of its alumnae and is glad to cooperate actively with those who desire positions as teachers or in other vocations. A registry will be kept for this purpose and eligible candidates recommended.

ALUMNÆ ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, and many items of interest concerning alumnae and former students.

The officers of the Association for the year 1918-1919 are:

<i>President</i>	Mrs. Westanna Pardee, '79
<i>Vice-President</i> ..	Mrs. Bessie Johnson McGinnity, '07
<i>Secretary</i>	Mrs. Mabel Crowe Baird, '11
<i>Treasurer</i>	Miss Helen M. Steele, '15

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical

ways. Three clubs of recent alumnae have been organized, members of the classes between 1890 and 1900 forming Decade Club I, graduates from 1900 to 1910 constituting Decade Club II, and graduates from 1911 on forming Decade Club III.

THE CORA HELEN COOLIDGE CLUB FOR SOCIAL SERVICE

This is an organization made up of graduates of the department of Social Service and of advanced students who are candidates for the certificate in Social Service. The meetings of the Club are held bi-monthly at the College.

Degrees Conferred in 1918

BACHELOR OF ARTS

Alexander, Rachel Longwell	<i>Washington</i>
Cornelius, Kamala	<i>Madras, India</i>
Davidson, Naomi Mollie	<i>Pittsburgh</i>
Eggers, Elizabeth Voegtly	<i>Pittsburgh</i>
Evans, Esther White	<i>Pittsburgh</i>
Fournier, Eulalia	<i>Beaver Falls</i>
Fuller, Eleanor	<i>Wilkinsburg</i>
Goldsmid, Elinor Beatrice	<i>Pittsburgh</i>
Hill, Janet Lockhart	<i>Pittsburgh</i>
Hunker, Charlotte Marie	<i>Bellevue</i>
Kates, Emilie Serle	<i>Pittsburgh</i>
Kauffman, Ruth Mae	<i>Pittsburgh</i>
Logan, Ruth Douglas	<i>Wilkinsburg</i>
Long, Ruth Isabel	<i>Wilkinsburg</i>
McKenzie, Elizabeth Catherine	<i>New Cumberland, W. Va.</i>
Marks, Annetta	<i>Pittsburgh</i>
Minor, Dorothy Simpson	<i>Pittsburgh</i>
Myers, Katherine Hannah	<i>Pittsburgh</i>
Paul, Josephine Brown	<i>Pittsburgh</i>
Sheppard, Elizabeth Woolsey	<i>Pittsburgh</i>
Sterling, Winona Elizabeth	<i>Masontown</i>
Temple, Martha Agnew	<i>Washington</i>
Van Kirk, Lorena Anne	<i>West Newton</i>
Wolf, Rachel Olive	<i>Sheraden</i>

Certificates Granted in 1918

SOCIAL SERVICE

Davidson, Naomi Mollie	<i>Pittsburgh</i>
Van Kirk, Lorena Anne	<i>West Newton</i>
Hartman, Esther Katherine	<i>Pittsburgh</i>
Hartzel, Gertrude Edna	<i>Edgewood</i>
Salinger, Ellinore Harriet	<i>Parkersburg, W. Va.</i>
Shapira, Sara Belle	<i>Pittsburgh</i>
Tipper, Mary B.	<i>Pittsburgh</i>
Younkins, Florence Evelyn	<i>Butler</i>

SPOKEN ENGLISH

Paul, Josephine Brown	<i>Pittsburgh</i>
Paul, Mary Jane Brown	<i>Pittsburgh</i>
Salinger, Ellinore Harriet	<i>Parkersburg, W. Va.</i>

MUSIC

Miller, Estelle	<i>Scottsdale</i>
Seaman, Ruth M.	<i>Pittsburgh</i>
Younkins, Florence Evelyn	<i>Butler</i>

Students in 1918-19

SENIORS

Ailes, Helen	<i>Pittsburgh</i>
Applestein, Lillian Dorothea	<i>Pittsburgh</i>
Bair, Gertrude Stanton	<i>Edgewood</i>
Barron, Marjorie Mary	<i>Latrobe</i>
Bell, Helen Mary	<i>Edgewood</i>
Borland, Margaret McCutcheon	<i>Pittsburgh</i>
Brand, Margaret	<i>Pittsburgh</i>
Brownlee, Martha Foster	<i>Washington</i>
Clarke, Dorothy	<i>Pittsburgh</i>
Cox, Viola Henrietta	<i>Donora</i>
Crawford, Mary Alice	<i>Sewickley</i>
Crouse, Sarah Dora	<i>Sharpsburg</i>
Davis, Ethel Mary	<i>Homestead</i>
Errett, Marjorie Russell	<i>Carnegie</i>
Farr, Florence Margaret	<i>Avalon</i>
Hamilton, Margaret Elizabeth	<i>Edgewood</i>
Hooff, Virginia Loney	<i>Pittsburgh</i>
Jarecki, Valeska Strunz	<i>Sandusky, O.</i>
Jefferson, Margaret Christelle	<i>Aspinwall</i>
Leitch, Helen Elizabeth	<i>Pittsburgh</i>
Leopold, Henrietta Josephine	<i>Pittsburgh</i>
McEllroy, Elinor Harriet	<i>Edgewood</i>
Rogers, Augusta Georgia	<i>Lexington, Ky.</i>
Sander, Dorothea Lloyd	<i>Pittsburgh</i>
Sheppard, Jane Lois	<i>Pittsburgh</i>
Stevenson, Elisabeth Plumer	<i>West Newton</i>
Taber, Laura Hathaway Nye	<i>Pittsburgh</i>
Weston, Eva May	<i>Pittsburgh</i>
Witherspoon, Margaret Workman	<i>Washington</i>

JUNIORS

Anthony, Marguerite	<i>Pittsburgh</i>
Armstrong, Margaret Imogene	<i>Vandergrift</i>
Aspinwall, Julia Virginia	<i>Pittsburgh</i>
Bardsley, Eleanor Marshall	<i>Bridgeville</i>
Caughey, Catherine Bell	<i>McKeesport</i>
Crane, Willard	<i>Terra Alta, W. Va.</i>
Criste, Rita Agnes	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Fleming, Elizabeth Windber	<i>Colver</i>
Fournier, Gladys Margaret	<i>Beaver</i>
Graham, Clara Williams	<i>Pittsburgh</i>
Hare, Margaret Chalfant	<i>Pittsburgh</i>
Herron, Elsie Mary	<i>Washington</i>
Horix, Helen Gertrude	<i>Pittsburgh</i>
Jamison, Mary Elizabeth	<i>Pittsburgh</i>
Lobmiller, Jane Kathryn	<i>Wellsburg, W. Va.</i>
McFarland, Katherine Russell	<i>Pittsburgh</i>
Moore, Margaret Catherine	<i>Pittsburgh</i>
Newell, Elinor	<i>Crafton</i>
Perry, Ethel Lois	<i>Pittsburgh</i>
Shipley, Elizabeth Hewitt	<i>Pittsburgh</i>
Stevenson, Mary Luella	<i>West Newton</i>
Trimble, Eleanor Downs	<i>Bellevue</i>
Weirich, Loretta Elizabeth	<i>Washington</i>
Wilcox, Virginia Elizabeth	<i>Wilkinsburg</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>

SOPHOMORES

Ambrose, Jeannette	<i>Sharpsburg</i>
Biles, Margaret Ellen	<i>Clairton</i>
Collier, Marcella Irene	<i>Roscoe</i>
Crouse, Miriam LeFevre	<i>Sharpsburg</i>
Curry, Hazel Jewell	<i>Donora</i>
Espy, Stella Elizabeth	<i>Pittsburgh</i>
Farr, Lois Margery	<i>Avalon</i>
Fast, Florence M.	<i>Fairchance</i>
Finkelhor, Bessie K.	<i>Jeannette</i>
Frederick, Frances Atwell	<i>Pittsburgh</i>
Geary, Marcella Catherine	<i>Wilksburg</i>
Gilfillan, Margaret Boyd	<i>Bridgeville</i>
Gilmore, Roberta Isabel	<i>Emlenton</i>
Honsaker, Marion Edith	<i>Masontown</i>
Levy, Besse	<i>New Brighton</i>
Long, Helen Lucile	<i>Wilksburg</i>
Ludwick, Frances Willard	<i>Oakmont</i>
Martin, Ella Ferguson	<i>Pittsburgh</i>
Montgomery, Emma Louise	<i>Pitcairn</i>
Murphy, Elizabeth	<i>Vandergrift</i>
Pew, Edith	<i>Pittsburgh</i>
Reed, Mary Elizabeth	<i>Latrobe</i>
Russell, Mary Byrd	<i>Fredericksburg, Va.</i>
Shaffer, Mabel B.	<i>Kittanning</i>
Sprows, Elizabeth	<i>Donora</i>
Sullivan, Gladys Marguerite	<i>McKeesport</i>
Sumpter, Caroline Elizabeth	<i>Fairmont, W. Va.</i>
Treloar, Helen Margaret	<i>Homestead</i>
Trimble, Mary H.	<i>Ben Avon</i>
Wills, Margaret Rachel	<i>Belleville</i>
Wilson, Bell McMaster	<i>Pittsburgh</i>

FRESHMEN

Allison, Helen R.	<i>Chester, W. Va.</i>
Barnard, Dorothy	<i>Emlenton</i>
Barnes, Margaret M.	<i>Springdale</i>
Bender, Amelia Mae	<i>Millvale</i>
Berryman, Margaret	<i>Charleroi</i>
Boots, Betty Dean	<i>Pittsburgh</i>
Brown, Margaret K.	<i>Pittsburgh</i>
Brownlee, Martha Ashton	<i>West Middletown</i>
Burleigh, Dorothy	<i>Pittsburgh</i>
Carter, Kathryn J.	<i>Dennison, O.</i>
Caskey, Marjorie L.	<i>Crafton</i>
Christy, Helen	<i>Crafton</i>
Coggins, Virginia	<i>Bellevue</i>
Connelly, Bonnalyn	<i>Ludlow</i>
Connelly, Ina Marie	<i>Ludlow</i>
Davis, Dorothy	<i>Clairton</i>
Donehoo, Laura Belle	<i>Washington</i>
Dunbar, Mary Logan	<i>Burkeville, Va.</i>
Edsall, Lillian Warner	<i>Oakmont</i>
FitzGerald, Ray	<i>Pittsburgh</i>
Foster, Elizabeth	<i>Pittsburgh</i>
Gorzó, Rose P.	<i>McKeesport</i>
Gray, Margaret Gourley	<i>Coshocton, O.</i>
Greves, Sarah Bonnar	<i>Pittsburgh</i>
Gross, Helen Julia	<i>Pittsburgh</i>
Hamm, Julia	<i>Knox</i>
Hay, Grace McKinley	<i>Pittsburgh</i>
Held, Emma	<i>Pittsburgh</i>
Jay, Anne Elizabeth	<i>Arnold</i>
Keck, Ruth	<i>Greensburg</i>
McCullough, Helen I.	<i>Vandergrift</i>
MacLaughlin, Mary E.	<i>Pittsburgh</i>
Miller, Sarah G.	<i>Pittsburgh</i>
Newmaker, Florence	<i>Warren</i>
Reed, Frances Lucile	<i>Crafton</i>
Robb, Dorothy M.	<i>Wilkinsburg</i>
Ruben, Anna	<i>Crafton</i>

FRESHMEN—Continued

Scott, Susan H.	<i>Pittsburgh</i>
Solomon, Florence E.	<i>Pittsburgh</i>
Stuckslager, Elizabeth R.	<i>McKeesport</i>
Swope, Grace	<i>Carrolltown</i>
Taylor, Jane	<i>Washington</i>
Vance, Margaret	<i>Pittsburgh</i>
Vatz, Blanche	<i>Pittsburgh</i>
Wally, Georgia Alvernia	<i>Etna</i>
Wilson, Ella May	<i>Saltsburg</i>

UNCLASSIFIED STUDENTS

Candidates for certificates, or for classification as regular students, who are carrying twelve hours or more in college classes:

Armstrong, Marie L.	<i>Pittsburgh</i>
Beren, Ella	<i>Parkersburg, W. Va.</i>
Bernstein, Freda	<i>Pittsburgh</i>
Brenneman, Helen	<i>Freeport</i>
Caughey, Marjorie	<i>McKeesport</i>
Chlebus, Marie Bertha	<i>Pittsburgh</i>
Cukerbaum, Sorly	<i>Pittsburgh</i>
Goldberg, Anne	<i>Pittsburgh</i>
Goldberg, Rena	<i>Pittsburgh</i>
Kennell, Pauline	<i>Oakmont</i>
McGrew, Minnie E.	<i>Pittsburgh</i>
Miller, Clara Russell	<i>Pittsburgh</i>
Nair, Lilian	<i>Beaver</i>
Provins, Mary Elizabeth	<i>Charleroi</i>
Shane, Mabel Wallace	<i>McDonald</i>
Stevenson, Elizabeth P.	<i>Wheeling, W. Va.</i>
Stoeltzing, Dorothy	<i>Pittsburgh</i>

SPECIAL STUDENTS

Bailey, Marion Louise	<i>Johnstown</i>
Barker, Harriet	<i>Pittsburgh</i>
Boehm, Mabel	<i>Pittsburgh</i>
Bogges, Beulah	<i>Shinnston, W. Va.</i>
Barnett, Esther Virginia	<i>Pittsburgh</i>
Bosson, Felicie Eleanor	<i>Charleroi</i>
Brown, Virginia E.	<i>Wilkinsburg</i>
Clark, Mrs. Henry Fisher	<i>Oakmont</i>
Dickey, Josephine	<i>Pittsburgh</i>
Greenlee, Margaret Wood	<i>Wilkinsburg</i>
Hesselgesser, Helen	<i>Freeport</i>
Hill, Eleanor	<i>Pittsburgh</i>
Horne, Olive Irene	<i>Crafton</i>
Kress, Irene	<i>Pittsburgh</i>
Leitch, Lucile L.	<i>Pittsburgh</i>
McCombs, Ruth	<i>Pittsburgh</i>
Martin, Margaret	<i>Pittsburgh</i>
Slocum, Marion	<i>Ellwood City</i>
Snyder, Mrs. Loretta K.	<i>Pittsburgh</i>
Snyder, Louise K.	<i>Pittsburgh</i>

FORM FOR WILL BEQUESTS

I give and bequeath to the "Trustees of The Pennsylvania College
for Women in the County of Allegheny," incorporated under the law
of the State of Pennsylvania, the sum of.....
.....dollars;
and the receipt of the Treasurer thereof shall be sufficient discharge
to my executors for the same.

INDEX

Administrative Officers.....	5
Admission of Students.....	11
To Advanced Standing.....	23
To Freshman Class.....	12
To Special Courses.....	24
Alumnae Association.....	77
Application for Rooms.....	11
Calendar.....	3
Certificate Courses.....	24
Certificates Granted in 1918.....	80
Correspondence.....	9
Courses of Instruction.....	27
Art.....	24, 39
Astronomy.....	43
Biblical Literature.....	27
Biology.....	27
Chemistry.....	28
Economics.....	56
Education.....	28
English.....	30
French.....	33
German.....	34
Greek.....	36
History and Political Science.....	37
Italian.....	39
Latin.....	40
Mathematics.....	42
Music.....	44
Philosophy.....	55
Physical Education.....	52
Physics.....	53
Psychology.....	55
Social Service.....	56
Sociology.....	56
Spanish.....	58
Spoken English.....	59
Curriculum Schedule.....	26
Degrees Conferred in 1918.....	79

INDEX—Continued

Elective Work.....	63
Executive Officers.....	7
Expenses.....	69
Faculty.....	5
General Information.....	66
Graduate Work.....	25
Lecturers and Vesper Speakers.....	61
Legacy Form.....	88
Library.....	67
Payments.....	69
Recommendations.....	77
Regulations for Students.....	63
Religious and Social Life.....	73, 74
Requirements for Entrance.....	12
Requirements for Graduation.....	63
Scholarships.....	73
Students in 1918-1919.....	81
Student Activities.....	74
Trustees.....	4

Pennsylvania
College for Women
Pittsburgh

Announcements for 1920-1921

Register of Faculty and Students for
1919-1920

Calendar

1920

21 September, Tuesday

First Semester begins—Enrollment

22 September, Wednesday - - Recitations begin

25 November, Thursday - Thanksgiving Vacation begins

29 November, Monday, 9:30 A. M. - College opens

10 December, Friday - - - - Founder's Day

17 December, Friday, 4:30 P. M.

Christmas Vacation begins

1921

3 January, Monday, 6:00 P. M. - College opens

28 January, Friday - Mid-year examinations begin

4 February, Friday, 4:30 P. M.

Mid-year vacation begins

7 February, Monday, 9:30 A. M.

Second Semester begins

22 February, Tuesday - Washington's Birthday

25 March, Friday, 4:30 P. M. Spring vacation begins

4 April, Monday, 6:00 P. M. - - College opens

27 May, Friday - - - Final Examinations begin

30 May, Monday - - - - Memorial Day

10 June, Friday, 3:00 P. M. - Alumnae Meeting

11 June, Saturday - - - - Class Day

12 June, Sunday, 11:00 A. M. - Baccalaureate Sermon

13 June, Monday, 8:15 P. M.

Commencement and President's Reception

Board of Trustees

OLIVER McCLINTOCK.....*President*
 WILLIAM H. REA.....*Secretary*
 ALEX C. ROBINSON.....*Treasurer*

Term Expires 1920

WILLIAM H. REA	H. H. LAUGHLIN
REV. W. L. McEWAN, D.D.,	MRS. CHAS. H. SPENCER
RALPH W. HARBISON	MRS. JAS. H. LOCKHART
MRS. OGDEN M. EDWARDS, JR.	

Term Expires 1921

JACOB J. MILLER	MRS. WM. S. MILLER
W. W. BLACKBURN	MRS. WM. WATSON SMITH
J. C. GRAY	MRS. WM. N. FREW

Term Expires 1922

OLIVER McCLINTOCK	JOHN C. ACHESON
ALEX. C. ROBINSON	A. W. MELLON
MRS. JOHN I. NEVIN	REV. J. K. McCLURKIN, D.D.
*D. McK. LLOYD	

Standing Committees of the Trustees

Executive Committee: Mr. Blackburn, Dr. McEwan, Mr. Mellon, Mr. Rea, Mr. Harbison, Mrs. Spencer, Mrs. Frew, Dr. Acheson, Mr. Robinson.

Finance Committee: Mr. Mellon, Mr. Robinson, Judge Miller, Mr. Blackburn, Mr. Laughlin, Mr. Harbison.

Committee on Faculty and Studies: Dr. McClurkin, Dr. McEwan, Dr. Acheson, Mrs. Miller, Mrs. Spencer, Mrs. Lockhart.

Committee on House Visitation: Mrs. Spencer, Mrs. Nevin, Mrs. Miller, Mrs. Smith, Mrs. Edwards.

Auditing Committee: Mr. Laughlin, Dr. McEwan.

*Deceased Dec. 11th, 1919.

The Officers of Instruction and Administration

The Faculty and Other Officers

JOHN C. ACHESON, LL.D.

President

MARY W. BROWNSON, A.M.

History

VANDA E. KERST

Spoken English

LUELLA P. MELOY, A.M.

Economics, Sociology

MARGARET A. STUART

Secretary

*ELIZABETH B. WHITE, A.M.

History

EDITH G. ELY, A.B.

French

LETITIA BENNETT, B.L.

Mathematics

MAE B. MACKENZIE

Piano

LAURA C. GREEN, A.M.

Latin, Greek

ELLA M. MARSHALL

Resident Nurse

GEORGIA PROCTOR, A.B.

Librarian

*Absent on leave.

The Faculty and Other Officers

M. HELEN MARKS, A.B.

Registrar

GEORGE B. LAWSON, A.M., D.D.

Philosophy, Biblical Literature

MILDRED J. BEBEE, Ph.B.

Rhetoric

FLORENCE K. ROOT, A.M.

Dean

JANET L. BROWNLEE

Assistant to the Dean

H. RYERSON DECKER, A.B., M.D.

Physician

M. MARGUERITE McBURNEY, A.B.

Chemistry, Biology

MARY JANE PAUL, A.B.

Spoken English

ELMER J. BAILEY, Ph.D.

English Literature

MARION E. GIFFORD

Physical Training

WALTER WILD, F.R.C.O.

Piano, Organ, Composition

EDNA S. WINTERS, A.M.

Education, Psychology

JAMES B. GARNER, Ph.D.

Head of Departments of Science

MARGARET A. REED

Assistant to the Secretary

ALICE DE LA NEUVILLE, A.B.

French

The Faculty and Other Officers

JANE ERRETT, A.M.

Physics

LILLIAN M. WEIHE, A.B.

History

MATHILDE DE BEYERSDORFF, A.B.

Italian, Spanish

AMANDA VIERHELLER,

Singing

EDITH CRILL WILD

Singing

ANNA BELL CRAIG

History of Art

MME. A. W. SPARKS, BREVET

Italian, Spanish

Arranged, with the exception of the President, in order of appointment

MRS. MELLIE C. WOODWARD

House Director, Woodland Hall

MRS. JEANNE M. SHIELDS

House Director, Berry Hall

The Executive Officers

JOHN C. ACHESON, LL.D.

President

FLORENCE K. ROOT, A.M.

Dean

JANET L. BROWNLEE

Assistant to the Dean

MARGARET A. STUART

Secretary

M. HELEN MARKS, A.B.

Registrar

Faculty Organization

Officers: President, Dr. Acheson; Dean, Miss Root; Secretary, Dr. Bailey.

Cabinet: President, Secretary, Dean, Miss Brownson, Miss Green, Miss Meloy, Dr. Lawson.

Committees

Curriculum: Miss Ely, Miss Brownson, Miss Bennett, Miss McBurney.

Scholarship: Dean, Miss Bennett, Miss Green, Miss McBurney, Miss Winters.

Dormitory: Miss Marks, Miss Brownlee, Miss Ely, Miss Gifford, Dean.

Documents: Dr. Lawson, Miss Stuart, Miss Meloy, Miss Bebee.

Library: Miss Green, Miss Proctor, Dr. Bailey.

Public Occasions: Dean, Mrs. Acheson, Miss Brownlee, Miss Kerst, Miss MacKenzie, Dr. Lawson, Mr. Wild.

Faculty-Student Council

President, Dean, Miss Ely, Miss Green, Miss Gifford; Student Government Board.

Correspondence

In the list below are the names of persons to whom communications of various types should be addressed.

Admission of Students: Florence Kellogg Root, Dean.

Questions Relating to Health, Scholarship, or General Welfare of Students:
The Dean.

Requests for Catalogues or Other Information: M. Helen Marks,
Registrar.

Business Matters: Margaret A. Stuart, Secretary.

Pennsylvania College for Women

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania for an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a center of liberal education, and a campus was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing resident districts of East Liberty and Shadyside. The fine old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active cooperation of many interested friends. The charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the required courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892. A Music Hall was added to this building in 1897. Woodland Hall was opened as a dormitory in September, 1909.

Admission of Students

Each candidate for admission must fill out and return to the College application cards which will be furnished upon request. Each application must be accompanied by a registration fee of \$10.00 which is credited on the first payment, or refunded if notice of withdrawal is received by August 15th.

To reserve rooms for the college year beginning in September, students in residence the previous college year must pay to the Secretary a fee of \$10.00 when reservation is made. This fee is credited on the first payment if student returns, or refunded if notice of withdrawal is received by August 15th.

All applications for rooms in college buildings take the date at which the application fee is received.

Until June first, but not after that date, *applications from former students* will take precedence of those of new students in the matter of rooms.

Candidates for advanced standing whose credentials admit them to Junior or higher rank, will take precedence of candidates for the Freshman class in the assignment of rooms. All other students will be assigned rooms in order of application.

A student vacating a room before the close of the year, or relinquishing a room reserved for her at the beginning of the year, will be charged for board until the vacancy has been filled by an incoming student. Therefore, notice of intention to withdraw should be given as early as possible. No deduction is made for absences during the year.

12 PENNSYLVANIA COLLEGE FOR WOMEN

The date of withdrawal of a student is the day on which the Secretary is informed in writing of the fact by the parent or guardian.

METHODS OF ADMISSION

Admission to the Freshman class is by one of the following methods:

(a) EXAMINATION. Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examination at the College.

(b) CERTIFICATE FROM ACCREDITED SCHOOLS. Instead of examination, certificates from high schools and academies whose work has been approved by the College and whose courses prepare for the Freshman class, will be accepted. Blank forms of such certificates may be obtained from the Dean or the Field Secretary. Application for membership in the Freshman class should be made as early as possible, in order to insure the prompt completion of all preliminary arrangements. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION

Fifteen units are required for admission to the Freshman class. A unit represents a study continued throughout a year of thirty-six weeks in a secondary school, with five recitations a week, constituting approximately a quarter of a full year's work. An exception to this definition is made in regard to English, in which subject four years of High School work are necessary for three units' credit. The required fifteen units must include English (three units),

Foreign Languages (four units—two of these must be in Latin; two in either French, German, Greek or Spanish), History (one unit), Mathematics (two and one-half units—Algebra, one and one-half units; Plane Geometry, one unit.) In addition to the above, the student must present four and one-half units from the following list of subjects: Civics, English, French, German, Greek, History, Latin, Spanish, Mathematics, Science, Theory of Music.

One unit only in Music may be offered. Less than two units in any language will not be accepted. More than four units in any department will not be accepted.

ENGLISH

Three units required.

(a) COMPOSITION Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them to the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

(b) LITERATURE. The books recommended are those listed in the Uniform College Entrance Requirements in English, for classes entering in 1920-1922, but other similar books will be accepted as equivalents. Study should develop an appreciation and enjoyment of literature, a knowledge of subject-matter and structure, some acquaintance with the lives of the authors and the period in which they lived.

LIST OF BOOKS, 1920-1922

A. BOOKS FOR READING

The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in GROUP I a book from any other may be substituted.

GROUP I—CLASSICS IN TRANSLATION—*The Old Testament*, at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*.

The Odyssey, with the omission, if desired, of Books I-V, XV, and XVI.

The Æneid.

The Odyssey and the *Æneid* should be read in English translations of recognized literary excellence.

GROUP II—DRAMA—Shakespeare: *Merchant of Venice*, *As You Like It*, *Julius Caesar*.

GROUP III—PROSE FICTION—Dickens: *A Tale of Two Cities*; George Eliot: *Silas Marner*; Scott: *Quentin Durward*; Hawthorne: *The House of The Seven Gables*.

GROUP IV—ESSAYS, BIOGRAPHY, ETC.—Addison and Steele: *The Sir Roger de Coverley Papers*; Irving: *The Sketch Book*—selections covering about 175 pages; Macaulay: *Lord Clive*; Parkman: *The Oregon Trail*.

GROUP V—POETRY—Tennyson: *The Coming of Arthur*, *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Browning: *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Herve Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "De Gustibus,"—*Instans Tyrannus*; Scott: *The Lady of the Lake*; Coleridge: *The Ancient Mariner*, and Arnold: *Sohrab and Rustum*.

B. BOOKS FOR STUDY

The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I—DRAMA—Shakespeare: *Macbeth* or *Hamlet*.

GROUP II—POETRY—Milton: *L'Allegro*, *Il Penseroso*, *Comus*; Book IV of Palgrave's *Golden Treasury* (First Series) with special attention to Woodsworth, Keats and Shelley.

GROUP III—ORATORY—Burke: *Speech on Conciliation with America*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*; and Lincoln: *Gettysburg Address*.

GROUP IV—ESSAYS—Macaulay: *Life of Johnson*; Carlyle: *Essay on Burns*, with a brief selection from Burns' *Poems*.

FOREIGN LANGUAGES

FRENCH

(a) The fundamental principles of grammar: Inflection of nouns, adjectives, the use of all pronouns; conjugation of regular verbs and the common irregular verbs; the elementary rules of word order. Reading and translation of not less than 100 pages of easy modern French. Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read. (One unit.)

(b) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 400 pages of modern stories and plays, with a few poems, in addition to the amount already indicated.

16 PENNSYLVANIA COLLEGE FOR WOMEN

Ability to translate easy English prose into idiomatic French. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) A thorough review of the grammar accompanied by the use of a good text book in French prose composition. Reading and translation of not less than 300 pages of more difficult French, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class. (One unit.)

GERMAN

(a) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order. Reading and translation of not less than 100 pages of easy modern German prose. Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read. (One unit.)

(b) Further study of grammar, particularly of syntax, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories, plays and biography, in addition to the amount already indicated. Ability to translate easy English prose into German. (One unit.)

(c) A thorough review of the grammar, accompanied by the use of a good text book in German prose composition. Reading and translation of not less than 400 pages of more

difficult German, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class. (One unit.)

(d) ADVANCED GERMAN. The work of the advanced course should comprise the reading of about 500 pages of good literature in prose and poetry, reference reading upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German. Suitable authors for study in the fourth year are Goethe, Schiller, and Lessing. (One unit.)

GREEK

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. An accurate knowledge of the regular Attic Greek forms, idioms, and constructions with constant practice in the writing of simple Greek sentences. (One unit.)

(b) XENOPHON. *Anabasis*, Books I-IV or an equivalent amount from the *Memorabilia*. Prose Composition: Pearson or an equivalent. (One unit.)

(c) HOMER. *Iliad*, Books I-III omitting lines 494 to 815, with special attention paid to dialectic forms and reading of the Greek. (One unit.)

LATIN

Two units required.

(a) GRAMMAR AND ELEMENTARY PROSE COMPOSITION. A knowledge of all regular inflections, common

irregular forms, the fundamental principles of syntax, and a satisfactory vocabulary. (One unit.)

(b) CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or Nepos, *Lives*; prose composition; sight translation. (One unit.)

(c) CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters; or from Sallust's *Catiline* and *Jugurtha*, except that the orations for the Manilian Law and for Archias are required; prose composition; sight translation. (One unit.)

(d) VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid*, Books I, II and either IV or VI are required. (One unit.)

SPANISH

(a) A thorough knowledge of the rudiments of grammar, including the inflection of the regular and the more common irregular verbs; the inflection and use of personal pronouns, adverbs, adjectives, prepositions and conjunctions; the order of words in the sentence and the elementary rules of syntax. Reading and translation of not less than 100 pages of graduated texts with constant practice in free reproduction in Spanish of what has been read. Ability to write Spanish from dictation and to read aloud intelligently with correct pronunciation. (One unit.)

(b) Continued study of elements of grammar, especially syntax. Mastery of all but rare irregular verb forms, simpler uses of modes and tenses. Reading and translation of about 200 pages of prose and verse. Practice in dictation, memorizing and prose composition.

(One unit.)

HISTORY

One unit required.

(a) ANCIENT HISTORY. Greek and Roman history, preceded by an introductory study of earlier nations. Survey of important events in the medieval period to 800 A.D.

(One unit.)

(b) MEDIEVAL AND MODERN HISTORY. From the period of the barbarian invasions to the present day.

(One unit.)

(c) ENGLISH HISTORY.

(One unit.)

(d) AMERICAN HISTORY. With an outline study of Civil Government.

(One unit.)

A text-book of not less than 500 pages should have been used, supplemented by an equal amount of collateral reading, constant reference to maps, and the preparation of written or verbal reports upon assigned topics.

(e) CIVIL GOVERNMENT IN THE UNITED STATES. Study of the American Constitution and of the actual working of government, national, state and local.

(One-half unit.)

One-half unit of credit represents thorough work for eighteen weeks of a school year; or the use of a good text-book of not less than 300 pages, supplemented by an equal amount of collateral reading, study of maps and topical reports.

MATHEMATICS

Two an one-half units required.

(a) ALGEBRA. Factors, common divisors and multiples, theory of exponents, imaginaries. Fractions, radicals, including the extraction of square root of polynomials and of numbers. Equations involving radicals, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. (One unit.)

(b) QUADRATICS AND BEYOND. Quadratic equations, both numeral and literal, containing one or more unknown quantities. Problems depending on quadratic equations. Graphs. Binomial theorem for positive integral exponents. Arithmetical and geometrical progressions. (One-half unit.)

(c) PLANE GEOMETRY. The theorems and constructions of the five books of good texts. There should be constant practice in original demonstrations and exercises. (One unit.)

(d) SOLID GEOMETRY. The usual theorems and construction of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and

the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the measurement of surfaces and solids. (One-half unit.)

NOTE: It is very important that students review both Algebra and Geometry in their last preparatory years.

MUSIC

Examination at the College in September. Either A, Harmony; or B, a combination of a less advanced requirement in theory with a practical study—piano, voice, violin, organ or other orchestral instrument will be accepted.

A. HARMONY. The examination will be adapted to the proficiency of those who have had one year's systematic training with at least three lessons a week, or its equivalent. The candidate should have acquired the ability:

(a) To harmonize in four vocal parts simple melodies of not less than eight measures involving the use of triads and inversions, of diatonic seventh chords and inversions in the major and minor modes; and of modulations to related keys.

(b) To analyze chords of the ninth, all non-harmonic tones and altered chords including augmented chords. The student will be expected to have full knowledge of the rudiments of music, scales, intervals and staff notation, including the terms and expression marks in common use.

B. The following requirements in theory, combined with piano, voice, violin, or other orchestral instruments. The examination in theory will be adapted to the proficiency

of those who have had one year's systematic training with at least one lesson a week, or its equivalent. The candidate should have acquired.

(a) A knowledge of the rudiments of music, scales, intervals, and staff notation, including the terms and expression marks in common use.

(b) The ability to analyze the harmony and form of hymn tunes and simple pieces for the piano, involving triads and the dominant seventh and their inversions, passing tones and modulation to related keys.

(c) The ability to harmonize in four vocal parts, melodic fragments involving the use of triads and the dominant seventh chord, and their inversions, in the major keys.

(d) An examination in practical music, piano, organ, violin or voice.

SCIENCES

BOTANY

The general principles of anatomy and morphology, physiology and ecology. Two-thirds of the time should be devoted to individual laboratory work recorded by descriptions and drawings. (One-half unit.)

CHEMISTRY

The Study of at least one standard text-book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elemen-

tary chemistry. Laboratory work, substantially that outlined in Document 25 of College Entrance Board, recorded in a note book, certified by the teacher to be the original work of the student. This note book must be presented upon request. (One unit.)

PHYSICS

The study of a standard text-book, the equivalent of Milliken and Gale's *First Principles in Physics*. Instruction by lecture table demonstrations of the practical aspects and applications of the fundamental phenomena and laws of physics. Laboratory work, including at least thirty experiments recorded in a note book certified by the instructor to be the original work of the student. These experiments should be chosen to give forceful illustration of the most important facts and laws of mechanics, heat, light and electricity. Four recitations and two hours of laboratory work each week for one year. (One unit.)

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing without examination if they present credits from other colleges whose entrance requirements and whose courses of study are equivalent to those of Pennsylvania College for Women. All others who desire advanced credit must pass examinations in subjects offered as college work. No student will be admitted to candidacy for the baccalaureate degree after the beginning of the senior year.

CERTIFICATE COURSES

In the Music, Social Service, and Spoken English Departments, courses leading to certificates are offered.

24 PENNSYLVANIA COLLEGE FOR WOMEN

These courses are open to students registered for the A. B. degree, and involve for them only the recognition of a major in these subjects, together with further electives in their preferred field, but relieve them of none of their required work. A graduate may not receive more than one certificate in addition to the degree.

Students not candidates for degrees may register for certificates, provided they can meet the requirements for admission to the Freshman class, or have had such training as will warrant their admission to college classes. The College welcomes as students, persons of mature age and earnest purpose.

Further information in regard to certificate courses may be obtained from pages 30, 55, 63, in this catalogue.

STUDENTS NOT IN REGULAR COURSES.

Students may receive instruction without becoming candidates for a degree or certificate, but are permitted to enter only those classes for which their previous training has fitted them. They are required to consult with the Dean concerning their courses.

ART

A well known local artist, Miss Anna Craig, has a studio in the building. Instruction is given in illustrating, painting, sketching and design. All arrangements in regard to lessons should be made with Miss Craig.

GRADUATE WORK

The Degree of Master of Arts is conferred upon those who hold the Bachelor's degree of this College or of some

other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the faculty that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English <i>Course D</i> 3 hours	Bible <i>Course C</i> 3 hours	Psychology 3 hours	
Mathematics <i>Course D</i> 3 hours	Physics or Chemistry 3 hours	Spoken English 1 hour	Elective 15 hours
Language 3 hours	Language 3 hours	Elective *11 hours	
History <i>Course D</i> 3 hours	Elective 6 hours		
Elective 3 hours			
15 hours	15 hours	15 hours	15 hours

*A three-hour course in English Literature must be elected in the Sophomore, Junior, or Senior year.

Courses of Instruction

Biblical Literature

DR. LAWSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of Sophomores. Three hours through the year.

1-2. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the Apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective; open to Juniors and Seniors. Two hours, through the year.

BIOLOGY

DR. GARNER, MISS MCBURNEY

1-2. GENERAL BIOLOGY. Two lectures and one recitation a week, supplemented by one laboratory period. The course has been arranged for those who desire a general knowledge of biology, as well as for those who are preparing for advanced work.

Elective; open to all classes. Three hours through the year.

CHEMISTRY

DR. GARNER, MISS MCBURNEY

1-2. GENERAL INORGANIC CHEMISTRY. *First Semester*: Study of the fundamental principles and laws. Chemistry of types of non-metals. Correlation of properties of non-metals from standpoint of the Periodic Law. *Second Semester*: Chemistry of metals. Introduction to Qualitative Analysis. Lectures, two hours per week; laboratory, five hours per week.

3-4. GENERAL ANALYTICAL CHEMISTRY. *First Semester*: Qualitative Analysis. Reaction of basic and acidic ions. Study of theories of solution, mass action and chemical equilibrium. Analysis of complex mixtures and ores. *Second Semester*: Volumetric Quantitative Analysis: Acidimetry and alkalimetry; theory of indicators; precipitation and oxidation methods; iodimetry. Lectures, one hour per week; laboratory, seven and one-half hours per week.

5-6. GENERAL ORGANIC CHEMISTRY. *First Semester*: Chemistry of Aliphatic Series. Molecular weight determinations. Distillation and *fractionation* of (a) crude petroleum and refined petroleum products; and (b) coal tar and light oils. Organic preparations. *Second Semester*: Chemistry of Carbocyclic and Heterocyclic compounds. Organic preparations. Lectures, two hours per week; laboratory, six hours per week.

ECONOMICS AND SOCIOLOGY.

MISS MELOY

5-6. ECONOMICS. An introduction to principles and to practical economic problems.

Elective; open to Juniors and Seniors, and to special students. Three hours, through the year.

7-8. SOCIOLOGY. Elements of general sociology. Comparison of the views of prominent sociologists. Social organization.

Elective; open to Sophomores and Juniors, and to special students. Two hours, through the year.

9-10. IMMIGRATION. An outline of the history, causes and problems of American immigration, with practical applications.

Elective; open to all students. One hour through the year.

1-2. SOCIAL SERVICE. Theory and Observation. Theory: History and principles of social movements for the relief of dependency and for welfare; the social treatment of delinquency; the newer forms of preventive and constructive work. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh. Lectures by prominent social workers.

Elective; open to Freshmen, Sophomores and Juniors, and to special students. Three hours, through the year.

3-4. SOCIAL SERVICE. Theory and Practice. Theory: Causes of poverty and degeneration; methods of professional social work. Field work, one afternoon weekly; investigating and visiting, or the directing of group activities, for a charitable organization or welfare agency. A thesis is required, showing personal experience and knowledge of approved methods.

Prerequisite: Course 1-2. Open only to candidates for the certificate in Social Service. Three hours, through the year.

REQUIREMENTS FOR CERTIFICATE IN SOCIAL SERVICE

The certificate in Social Service is given to special students who complete the Social Service courses with related subjects, together with other required collegiate subjects, or to regular students who are candidates for the degree of A. B.

Special students may satisfy the requirements for the certificate by completing thirty hours of work. The minimum time in which this can be done is two years. Students are advised to give three years, which would afford the opportunity for broader experience in field work and for a greater variety of studies in the college curriculum. Required for the certificate are the following courses: Social Service 1-2, Social Service 3-4, Sociology, Immigration, Psychology, Chemistry or Biology, Economics, a modern language, Freshman Rhetoric, (English D), Story Telling, Plays and Games—26 hours; and 4 hours chosen from the following: History, Bible C, Philosophy, Music (two half-hour lessons weekly), Aesthetic Dancing, private lessons in Spoken English. Substitution for any of these requirements may be made only with the approval of the Dean and the head of the department.

Regular students who begin the study of Social Service early in the college course may take the certificate by electing the subjects in the department of Economics and Sociology, together with Plays and Games and Story Tell-

ing. Such students must provide for the giving of extra time to field work or to the investigation required as a basis for the essay which is part of the work of Social Service 3-4. If desired, this extra time may be given during a summer vacation.

EDUCATION

MISS WINTERS

1-2. HISTORY AND PRINCIPLES OF EDUCATION. The development of educational ideals, institutions and methods, with special reference to modern educational thought and practice.

Elective; open to Juniors and Seniors. Three hours, through the year.

3. THE CHILD IN THE ELEMENTARY SCHOOL. Mental development, through the adolescent period. Application of the results of child-study to the elementary school.

Elective; open to Seniors. Two hours, first semester. Given in alternate years.

4. A STUDY OF THE MODERN HIGH SCHOOL. A practical course in discussion of school activities and consideration of class room methods and management. Opportunity will be given for observation in selected high schools.

Elective; open to seniors. Two hours, second semester. Given in alternate years.

An additional hour, with credit, may be taken.

Courses in methods of teaching are provided in the departments of English, History, Mathematics and Physics.

The diplomas of students who have taken the 200 hours of educational work required by the school code are countersigned by the school authorities. The courses which may be counted to meet the state requirements are those in "Psychology, ethics, logic, history of education, school-management and methods of teaching."

Graduates of the College receive teachers' certificates for Pennsylvania, under the school code. Arrangements have also been made with the New York State Board of Education whereby graduates receive the College Graduates' Professional Certificates. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

ENGLISH

DR. BAILEY, MISS BEBEE

COMPOSITION.

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text book. Class room discussions. Individual conferences.

Required of Freshmen. Three hours through the year. An additional hour required of students who are failing to carry satisfactorily the work of this course.

5-6. COMPOSITION, ADVANCED. Practice in the different types of expression, oral and written, with the purpose of enabling a student with talent to find her field for specialization.

Elective; open to all but Freshmen. Two hours, through the year.

7-8. COMPOSITION, SPECIALIZED. Intensive work in any one of the following courses: (a) Newspaper and Magazine Writing; (b) Drama and the Photo-Play; (c) Short-Story; (d) Versification.

Elective. Prerequisite: Proof of marked ability.
Three hours through the year.

21-22. PRINCIPLES OF ARGUMENTATION AND DEBATE.
Elective; Two hours through the year.

LITERATURE AND LANGUAGE

1. LITERARY TYPES. An introduction to the appreciation of literature. Definition of literature as one of the fine arts. The essential difference between prose and poetry. The origin and development of the typical forms of literature. Readings in the lyric, the essay, the novel, and the short-story.

Elective; primarily for Freshmen, open to Sophomores. Three hours first semester.

2. AN INTRODUCTION TO AMERICAN LITERATURE. A general survey of American literature from Colonial times until the present day. Lectures and required readings.

Elective; primarily for Freshman, open to Sophomores. Three hours, second semester.

3-4. LITERATURE OF THE NINETEENTH CENTURY. A study of the more important English writers from Wordsworth to Meredith as reflecting the social, intellectual and religious movements of the nineteenth century.

Elective; primarily for Sophomores, open to upper-classmen. Three hours through the year.

34 PENNSYLVANIA COLLEGE FOR WOMEN

9-10. NON-DRAMATIC LITERATURE OF THE SIXTEENTH AND SEVENTEENTH CENTURIES. The study in the first semester centers about Spenser, in the second about Milton.

Elective; open to Juniors and Seniors. Three hours through the year.

11-12. THE DRAMA. A study of the origin and development of the English drama. The work of the first semester is largely historical in character; that of the second is devoted almost exclusively to Shakespeare.

Elective; open to Juniors and Seniors. Three hours through the year.

13-14. OLD AND MIDDLE ENGLISH. Stress is laid in the first semester upon Anglo-Saxon; in the second upon Chaucer.

Elective; open to Juniors and Seniors. Two hours through the year. Given in alternate years. Not offered in 1920-1921.

15-16. LITERARY CRITICISM. A study of method beginning with that discoverable in Aristotle's "Poetics" and concluding with that presented in Meredith's "Essay on Comedy."

Elective; open to Juniors and Seniors. Two hours through the year. Given in alternate years. Offered in 1921.

20. THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. A practical course in methods of presentation of

subject matter. Opportunity will be given for observation in selected high schools.

Elective ; open to Seniors. One hour, second semester.

23-24. THE DEVELOPMENT OF ENGLISH LITERATURE. A general survey of English literature from Anglo-Saxon times until the present day. Lectures and required readings.

Elective ; open to all students other than Freshmen. Two hours through the year. Given in alternate years.

FRENCH

MISS ELY, MME. DE LA NEUVILLE

1-2. ELEMENTARY COURSE. Grammar, reading, prose composition, phonetic training, conversation.

Elective ; open to Freshmen and Sophomores who have had no French, or one year of high school French. Three hours through the year.

3-4. INTERMEDIATE COURSE. Reading of representative short story writers and historians. Résumés of stories read. Advanced grammar, composition, and conversation.

Elective ; open to students who have presented two units in French or have taken Course 1-2. Three hours, through the year.

5-6. LITERATURE OF THE 17TH AND 18TH CENTURIES. Critical study of Racine, Corneille, Molière, Madame de

Sévigné, Voltaire, Rousseau, etc. Résumés and composition.

Elective. Prerequisite: Course 3-4. Three hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English. Valuable for students preparing for library or similar work.

Elective. Two hours through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach. One hour, through the year.

17-18. LITERATURE OF THE 19TH CENTURY. A critical study of Dumas père, Dumas fils, Victor Hugo, de Musset, George Sand. Résumés and composition based upon works read.

Elective. Prerequisite: Course 5-6. Three hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERYDAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. One hour, through the year.

21-22. LITERATURE OF THE 19TH AND 20TH CENTURIES. A critical study of Balzac and rapid reading of

current literature and drama. Essays in French. The presentation of one or more plays.

Elective. Prerequisite: Course 5-6, or its equivalent.
Three hours, through the year.

GERMAN

1-2. ELEMENTARY COURSE. Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective; open to students who do not present German at entrance. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of modern prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective; open to students who present two units of German, or who have taken Course 1-2. Three hours, through the year.

5-6. CLASSICS. Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective; open to students who present three units of German, or who have taken Course 3-4. Three hours through the year.

7-8. ADVANCED COMPOSITION AND SYNTAX. Selected passages from English authors translated into idiomatic

German. Original themes upon assigned topics. Study of idioms, synonyms, etymology and syntax.

Elective. Prerequisite. Course 5-6, or its equivalent.

Especially recommended to those who expect to teach German. One hour, through the year.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of selected periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite. Course 5-6, or its equivalent.

One hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of well known authors. Lectures. Essays.

(a) The drama. One hour, through the year.

(b) The novel. Two hours, through the year.

Elective. Prerequisite: Course 5-6.

GREEK

MISS GREEN, DEAN ROOT

1-2. ELEMENTARY COURSE. Grammar, prose composition. Xenophon, *Anabasis*.

Elective; open to all students. Three hours, through the year.

3-4. XENOPHON, ANABASIS (continued), with prose composition. Selections from Homer's *Iliad* and *Odyssey*. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the Homeric Epics by use of the text and translations, supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, *Alcestis*, or *Medea*. Prose composition based upon the prose authors studied.

Elective; open to Freshmen entering with three units of Greek and to students who have completed Course 3-4. Three hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing its origin, development and decline.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

11-12. PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. One hour, through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is therefore not required.

Elective; open to advanced students. One hour, through the year.

HISTORY AND POLITICAL SCIENCE

MISS BROWNSON, MISS WHITE, MISS WEIHE

D. INTRODUCTORY COURSE. A study of the rise of the nations, and of such topics as feudalism, the crusades, the growth of towns, and the struggles between church and state, from the period of the barbarian invasions to the Renaissance.

Required of Freshmen. Three hours, through the year.

1-2. MODERN EUROPEAN HISTORY, 1500-1815. Emphasis is placed upon the Renaissance movement, the Protestant Reformation, the Revolutionary and Napoleonic periods in France.

Elective. Three hours, through the year.

3-4. EUROPE FROM 1815 to 1918. This course begins with the Congress of Vienna and closes with a study of the Great War.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5. AMERICAN CONSTITUTIONAL HISTORY. A study of the Constitution, with reference to its origin, principles, limitations on federal and state powers, application to national problems.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

6. AMERICAN CONSTITUTIONAL GOVERNMENT. A study of the organization and practical working of the national government.

Elective. Prerequisite: Course 5. Three hours, second semester.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding present movements and questions.

Elective. One hour, through the year.

9. INTERNATIONAL LAW. A course designed to aid students in the understanding and discussion of international relations. The study of some important cases will be undertaken.

Elective. Prerequisite: Course 3-4. Three hours, first semester.

10. AMERICAN DIPLOMATIC HISTORY. A survey of the international relations of the United States, including questions of dispute during the last century between the United States and European countries, relations with Latin America and the Far East, the share of the United States in the Hague Conferences.

Elective. Prerequisite: Course 9. Three hours, second semester.

12. TEACHING OF HISTORY. A consideration of the use of historical material, the criticism of text books, and the methods of teaching history in elementary and secondary schools. Opportunity will be given for observation work in city schools.

Elective; open to Seniors. One hour, second semester.

13-14. HISTORY OF ART. Outline of the development of architecture, sculpture and painting. Lectures, readings, study of photographs, visits to Carnegie Institute.

Elective. Two hours, through the year.

15-16. GOVERNMENTAL PRINCIPLES OF MODERN EUROPEAN STATES. A comparative study based on the British imperial government.

Elective. Prerequisite: Course 1-2. 2 hours through the year.

ITALIAN

MISS DE BEYERSDORFF, MME. A. W. SPARKS

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. Three hours, through the year.

3-4. ADVANCED COURSE. Reading of modern prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

LATIN

MISS GREEN

1-2. CICERO, DE SENECTUTE, OR DE AMICITIA; LIVY, selections from Books I, XXI, XXII; Horace, *Odes and Epodes*.

Elective; open to students who present four units of Latin. Three hours, through the year.

3. PLAUTUS AND TERENCE. Selected plays. The development of Roman comedy.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. HORACE, SATIRES AND EPISTLES.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. STUDIES IN PLINY, JUVENAL, TACITUS. Roman society under the early empire.

Elective; open to Juniors and Seniors. Three hours, through the year. Given in alternate years.

7. LYRIC AND ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, Ovid.

Elective; open to Juniors and Seniors. Three hours, first semester. Given in alternate years.

8. LUCRETIUS, DE RERUM NATURA; CICERO, DE NATURA DEORUM. An introduction to the study of Roman philosophy.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

9-10. PROSE COMPOSITION.

Elective; open to Juniors and Seniors. One hour, through the year.

11. THE TOPOGRAPHY AND MONUMENTS OF ROME. Elective; open to all students. Two hours, first semester.

12. PRIVATE LIFE OF THE ROMANS.

Elective; open to all students. Two hours, second semester.

13-14. CICERO, SELECTIONS; OR, VIRGIL AND OVID, SELECTIONS.

Elective; open to students who present two or three years of Latin or who have completed Course 15-16. Three hours, through the year; four hours required of students inadequately prepared.

15-16. ELEMENTARY LATIN. Grammar, Caesar, Nepos. This course offered without credit to satisfy Latin entrance requirements in the case of students who have not elected Latin in preparatory schools.

Four hours, through the year.

MATHEMATICS

MISS BENNETT

D-1. SOLID AND SPHERICAL GEOMETRY. Required of Freshmen not offering Solid Geometry for entrance.

Three hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY.

Required of Freshmen. Three hours, second semester.

1. HIGHER ALGEBRA. Permutations and combinations. Complex numbers. Determinants. Binomial theorem, with proof. Partial fractions. Theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Open to Sophomores and required of Freshman offering Solid Geometry for entrance. Students intending to pursue courses in higher mathematics are recommended to elect this course. Three hours, first semester.

3. PLANE ANALYTIC GEOMETRY.

Elective. Three hours, one semester.

4. SOLID ANALYTIC GEOMETRY.

Elective. Prerequisite, Course 3. Three hours, one semester.

5. DIFFERENTIAL CALCULUS.

Elective. Prerequisite: Courses 3 and 4. Three hours, one semester.

6. INTEGRAL CALCULUS.

Elective. Prerequisite: Course 5. Three hours, one semester.

7. HISTORY OF MATHEMATICS.

Elective. Two hours, one semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS.

This course is intended for those who wish to teach mathematics in high schools. Instruction is given in the explanation of mathematical processes to elementary classes. Opportunity is afforded to observe teaching in the city high schools.

Elective. One hour, second semester.

10. ASTRONOMY. A general study of the phenomena of the sky. The solar and stellar systems. Location of principal constellations.

Elective. Three hours, second semester.

MUSIC

MR. WALTER WILD, *Director*

MISS MAE B. MACKENZIE

MISS AMANDA VIERHELLER

EDITH C. WILD

MR. FRANK J. BROSKIE

THEORETICAL COURSES

1-2. MUSICAL RUDIMENTS. The elements of Notation, Scales, Keys, and Intervals. The study of Chords; their construction, relation and progression. The writing of original melodies. Particular stress is laid upon Aural-Training.

Elective. Two hours, through the year.

3-4. HARMONY. The working of figured basses, including Chords of the Seventh, Modulation and Passing-Notes. The harmonization of melodies in four parts for voices. The composition of short, original exercises in four parts.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

5-6. ADVANCED HARMONY AND ELEMENTARY COUNTERPOINT. The working of figured basses up to and including Chords of the Thirteenth. The harmonization of unfigured basses and melodies, in four parts, for voices,

strings or organ. The composition of original exercises: instrumental and vocal. The different species of Counterpoint; exercises in Simple and Combined Counterpoint.

Elective. Prerequisite: Course 3-4. Two hours, through the year.

7-8. ADVANCED COUNTERPOINT, ORCHESTRATION AND FORM. Exercises in Combined Counterpoint in four parts. The writing of Fugal Expositions, involving Double Counterpoint. Thorough analysis of all the larger forms. The scoring of pianoforte extracts for full orchestra.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

9-10. MODERN COMPOSITION. Discussions of the new forms of modern music. The harmony of the French and Russian schools. Orchestration. The nature, compass, tone color and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by the various composers.

Elective. Prerequisite: Course 5-6. One hour through the year.

11-12. THE HISTORY AND APPRECIATION OF MUSIC. This course, dealing with the development of music from Palestrina to the death of Beethoven and from Schubert to the present day, is designed to give a general view of classical, romantic and modern music and to stimulate the appreciation of musical art. It is suited to the needs of those who desire an understanding of music as a part of liberal culture. It is copiously illustrated with music and includes

the analysis of important orchestral works announced for local performances. No previous knowledge of music is required.

Open to all students. Two hours through the year.

All theoretical courses are counted toward the Baccalaureate degree.

PRACTICAL COURSES

Individual lessons are given in Piano, Organ, Violin and other orchestral instruments, and Voice.

Practical work in Music may be counted toward the Baccalaureate degree, if it is sufficiently advanced in character.

All practical work carrying college credit must be accompanied by theoretical work, and not more than two hours of practical work each year may be so counted.

Two lessons a week with not less than six hours of practice a week count as *two hours*.

One lesson a week with not less than six hours practice a week counts as *one hour*.

Lessons are 30 minutes in length.

The practical courses are subject to fees as stated on pages 75 and 76 of the Catalogue.

PIANO

MR. WILD, MISS MACKENZIE

1-2. Technique, a study of scales, arpeggios, chords and octaves. Studies of the grade of Czerny opus 299; Bach Two-Part Inventions; Mozart Sonatas. Selected compositions within the grade and suited to the needs of the student. Special emphasis laid on accurate memorizing.

3-4. Further development of the technique by addition of more complicated exercises and rhythms. Studies of the grade of Cramer-Bulow; the easier sonatas of Beethoven. Classic and modern compositions giving various styles and rhythms.

Prerequisite: Course 1-2 or its equivalent.

5-6. Continued development of a fluent and versatile technique and reliable memory. Studies of the grade of Czerny opus 740; Clementi-Tausig Gradus ad Parnassum; Bach Suites; Beethoven Sonatas. Works of classic, romantic and modern composers.

Prerequisite: Course 3-4 or its equivalent.

7-8. Advanced technical development. Studies by Chopin; Bach Preludes and Fugues; more difficult Sonatas of Beethoven. Selection of compositions suitable for recital, Chopin, Liszt, Schumann, Brahms, Debussy, Rachmaninoff. The study of some standard concerto such as Mendelssohn, Schumann or Saint Saens.

Prerequisite: Course 5-6 or its equivalent.

9-10. Advanced work for graduates or undergraduates who have completed Course 7-8.

SINGING

MISS VIERHELLER

1-2. ELEMENTARY COURSE. Control of the breath. Development of resonance and beauty of tone in relation to vowel sounds. Studies in the formation of consonants. Ear training; intonation and rhythm. Simple exercises and songs.

3-4. INTERMEDIATE COURSE. Florid exercises; scales, roulades, trills and other embellishments. Special work in articulation, phrasing, freedom of tone and of facial expression. Advanced vocalises and songs.

5-6. ADVANCED COURSE. Development of style. Interpretation; analysis of thought in song poems. The treatment of different schools of composition. The preparation of recital programs. Special studies; Church, Oratorio, Concert, Opera.

7-8. NORMAL COURSE. Résumé of Elementary, Intermediate and Advanced Courses. Studies in the causes and treatment of the tremolo (in its different phases), nasality, faulty intonation, etc. Methods in teaching, with opportunity for observation.

9-10. GRADUATE COURSE. Advanced studies in tone production and technique. Preparation of a repertoire of songs and arias of various countries, styles and periods. Coaching for professional work; comparison of methods; history of vocal art.

ORGAN

MR. WILD

1-2. Manual and pedal technique. Pieces involving the fundamental principles of registration.

For students who have taken Piano 1-2 or its equivalent.

3-4. Mendelssohn's organ works; smaller Preludes and Fugues of Bach; easier works of the modern composers; church service playing.

5-6. Merkel and Rheinberger sonatas; larger works of Bach.

7-8. Continued study of the larger works of Bach; advanced works of the modern French, English and American schools.

VIOLIN

MR. BROSKE

1-2. DEVELOPMENT OF FINGER AND BOW TECHNIQUE. Studies of Sevcik, Sitt, Mazas. Assimilation of the spirit of the various schools of composition, classic and modern. Concertinos, sonatas, salon pieces.

3-4. STUDIES OF SEVCIK, DONT, BROSKE, SITT. Exercises in double stopping, scales, apeggios, trills, tone production, advanced bowing. Concertos of Viotte, Rode, de Beriot, Kreutzer, David. Various styles of concert pieces.

5-6. ADVANCED STUDIES OF SEVCIK, KREUTZER, FIORILLO. Concertos of Spohr, Mozart, Bach, Godard. Selected works of Vieuxtemps, Hubay. Study of Chamber Music.

7-8. ADVANCED TECHNIQUE. Studies of Rode, artistic études, Mazas, Gavinies. Sonatas of Beethoven, Grieg, Brahms. Concertos of Spohr, Bruch, Mendelssohn.

REQUIREMENTS FOR CERTIFICATE IN MUSIC

(a) Candidates for the B. A. degree who wish also the certificate of the Department of Music are required to take practical music, two lessons a week throughout the four years. They must also complete courses 1-2, 3-4, 5-6 and 11-12 in theoretical music; but not more than 12 hours from the music department may be credited toward the 60 hours required for the B. A. degree.

(b) Students not candidates for the B. A. degree who wish the Certificate of the Department of Music are required to take practical music—two lessons a week with not less than 12 hours practice a week. They must complete courses 1-2, 3-4, 5-6 and 7-8 in practical music and courses 1-2, 3-4, 5-6, 11-12 in theoretical music.

They must take from 6 to 8 hours per week of academic work as may be decided in consultation with the Dean.

The time occupied in study for the certificate depends upon the ability of the student, her proficiency at the time of entrance and her subsequent diligence; in general three years are necessary.

PHYSICAL EDUCATION

MISS GIFFORD

1-2. GYMNASTICS. Marching; free-hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of Freshmen. Two hours, through the year.
Without academic credit.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2, with advanced work.

Required of Sophomores. Two hours, through the year. Without academic credit.

5-6. AESTHETIC DANCING. Dancing technique. Simple aesthetic dancing. Folk dances.

Elective; open to all classes. One hour, through the year. Credit given only for certificates in Social Service, Music and Expression.

7-8. ADVANCED AESTHETIC DANCING. A continuation of course 5-6. A study of the interpretation of music through dancing. Original work required. The dancing skirt will be worn in this class. Course will be given if elected by twelve students.

Elective. Prerequisite: Course 5-6. One hour, through the year. Credit given only to certificate students.

9-10. PLAYS AND GAMES. A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized.

Elective; open to all students. One hour, through the year. Credit given only to certificate students.

11-12. PHYSIOLOGY AND HYGIENE.

Elective; One hour, through the year. Required of Freshmen. Without academic credit.

NOTE. Regulation suit—black bloomers, white blouse and gymnasium shoes. Dancing skirt and ballet slippers requested for courses 5-6, 7-8. Students are advised to bring hockey sticks, tennis rackets, etc., for outdoor work in fall and spring.

PHYSICS

DR. GARNER, MISS ERRETT

1-2. GENERAL EXPERIMENTAL PHYSICS. Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems.

Elective; open to students who have not presented Physics at entrance. Recitations, two hours; laboratory, five hours, through the year. An additional hour is required for students intending to enter professional schools.

This course, or Course 1-2 in Chemistry, required of students in the freshman or sophomore year.

12. GENERAL COURSE. Similar to 1-2, but somewhat more advanced.

Elective; open to students who have offered Physics at entrance. Three hours, first semester.

This course, with Course 7, may be substituted for the required sophomore science.

5. LIGHT.

Elective. Prerequisite: Course 1-2 or 12. Three hours, first semester. Three-hour laboratory period. This course alternates with Course 7.

6. HEAT.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, second semester; alternate years.

7. ELECTRICITY AND MAGNETISM.

Elective. Prerequisite: Courses 1-2 or 12. Three hours one semester. Three-hour laboratory period. This course alternates with Course 5.

9-10. TEACHING OF PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. One hour, through the year. An additional hour, with credit, may be taken.

PHILOSOPHY AND PSYCHOLOGY

DR. LAWSON, MISS WINTERS

PHILOSOPHY

5. ETHICS. The history of ethical philosophy, and a study of the fundamental principles of morality.

Elective; open to Sophomores, Juniors and Seniors.
Three hours, first semester.

6. LOGIC. Lectures, recitations, practical exercises.

Elective; open to Sophomores, Juniors and Seniors.
Three hours, second semester.

7. INTRODUCTION TO PHILOSOPHY. A brief survey of the scope and the problems of philosophy, with a general outline of its history. Lectures, discussions, collateral readings.

Elective; open to Juniors and Seniors. Three hours,
first semester.

8. CONTEMPORARY PHILOSOPHY.

Elective; open to Juniors and Seniors. Three hours,
second semester.

PSYCHOLOGY

B. GENERAL PSYCHOLOGY. The facts and laws of mental life. An introductory course. Laboratory method.

Required of Juniors. Three hours, through the year.

3-4. ADVANCED PSYCHOLOGY. Experimental. The intensive study of learning, memory, association, etc. Ap-

plication of the principles of psychology to the problem of Education; laboratory work supplemented by lectures and discussions.

Elective. Prerequisite: Course B. Three hours, through the year.

9. GENETIC PSYCHOLOGY. Includes a study of mental development in lower animals and a psychological study of the child from birth to adolescence.

Elective. Prerequisite: Course B. Open to Seniors. Two hours, first semester. Given in alternate years.

10. SOCIAL PSYCHOLOGY. A study of the social consciousness, the phenomena of imitation and suggestion, the development of language, religion and art as means of social expression.

Elective. Prerequisite: Course B. Two hours, second semester.

SPANISH

MISS DE BEYERSDORFF, MME. SPARKS

1-2. ELEMENTARY COURSE. Thorough study of phonetics, grammar and elementary syntax. Conversation, reading of modern novelists.

Elective; three hours, through the year.

3-4. ADVANCED SYNTAX. Short Essays. Critical study of the Spanish literature of the 18th and 19th cen-

turies. This course will be conducted in Spanish as far as feasible.

Elective; three hours, through the year.

5-6. ADVANCED COMPOSITION. General study of the literature of the 16th and 17th centuries. Cervantes, Selections from *Don Quixote*; *Lope de Vega*; Alarcón; Calderón.

In all these courses Castilian Spanish will be emphasized. Attention will be given to the different phonetics of South American Spanish.

SPOKEN ENGLISH

MISS KERST, MISS PAUL

1-2. FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION. Training of the voice for speaking. Analysis and presentation of selections. Two laboratory appointments each semester.

Elective; open to Freshmen. One hour, through the year.

3-4. DEBATE, EXTEMPORANEOUS SPEAKING, INTERPRETATION. Two laboratory appointments each semester.

Elective; open to Freshmen and Sophomores. One hour, through the year.

5-6. INTERPRETATIVE READING. Shakespeare, Browning, Tennyson.

Elective; open to Juniors, and required of those who have not previously studied Spoken English. One hour, through the year.

7-8. ADVANCED TRAINING IN DRAMATICS. The study and presentation of one drama. The cultivation of imagination and dramatic instinct.

Elective; open to Seniors. One hour, through the year.

9. DRAMATIC APPRECIATION. A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays from different periods.

Elective; open to all students. Two hours, through the year.

11-12. STORY TELLING. The story as related to child psychology; the origin of story telling; classifying, grouping, adapting, dramatizing and writing of stories. Students will be required to tell stories before the class and outside of College, in schools, settlements, clubs, etc.

Elective. One hour, through the year.

Students' recitals are occasionally given.

Private work in this department may be arranged by consultation with the instructor.

REQUIREMENTS FOR CERTIFICATE IN SPOKEN ENGLISH

(a) Eight hours of college work a year for two years, which must include one year each of History, Psychology, Education, History of Art; and also Physical Training, Courses 5-6, 9-10. A modern language is strongly recommended.

(b) Seven hours of work a year in the departments of English, and Spoken English, for two years, including all the courses offered by the latter department, and two private lessons a week.

(c) The presentation of one public program the first year, and two the second, with the final program at graduation.

Lecturers

Dr. John C. Acheson.....America in the New Age
 Dr. Elmer J. Bailey.....American Humorists
 Dr. Hugh Thomson Kerr.....Day of Prayer
 Dr. J. H. Bausman.....Tennyson
 Dr. William F. Peirce.....League of Nations
 Dr. John M. Mecklin.....Meaning of Democracy
 Mr. H. S. Hubble....Paintings in the Carnegie Institute
 Dr. Ellen S. Potter.....Social Hygiene
 Mr. Edward Taber.....Czecho-Slovaks
 Dr. F. W. Hinitt.....War Work of English Women
 Dr. John C. Acheson.....Browning
 Mr. C. W. Sypniewski.....Slavs of the War Zone
 Mlle. Marguerite Clement

What America Can Teach France and France America
 Dr. John C. Acheson.....Baccalaureate Sermon
 Rev. Benjamin F. Farber.....Commencement Address
 Mrs. Kate Upson Clark...Democracy in the 18th Century
 Mirza Ahmad Sohrab.....Women in the Orient
 Mr. C. M. Bregg.....The Theatre as an Educator
 Dr. John M. Mecklin.....The Machine Process
 Mrs. Lulu Loveland Shepard.....The Mormon Menace
 Capt. Basil Stoica.....The Supreme Lesson of the War
 Mr. Arthur P. Newton.....

.....British Empire Problems and Their Solution
 Mr. Sam Higginbottom

.....Extra Curriculum Activities of a Missionary
 Rev. Stanley A. Hunter...Student Volunteer Convention
 Mdme. d'Aubigny.....French Children
 Mr. Frederick Dean.....Napoleon

Mr. Aristides Phoutrides.....	
.....Modern Greek Poetry—Kostas “Palemas”	
Major and Canon E. Sidney Savage.....	Serbian Relief
Mr. Norman McClintock.....	Birds
Mr. Kirubai Appasamy.....	Religions of India
Sgt. Ruth Farnum.....	Serbian Relief

Vesper Speakers

Mr. H. A. McConnaughey	Mr. Herbert M. Moore
Dr. E. J. Bailey	Capt. H. B. Boyd
Rev. Stanley A. Hunter	Dr. George B. Lawson
Rev. John S. Alison	Miss Janet L. Brownlee
Dr. John C. Acheson	Rev. David Lang
Rev. J. M. Russell	Mr. Lawrence B. Avison
Dean Florence Root	Dr. V. Losa
Dr. Luther Freeman	Dr. Samuel J. Fisher

Regulations in Regard to Academic Matters

Requirements for Graduation: The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty hours of college work.

The unit of time used in measuring the value of work is a year hour; that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may, by permission of the scholarship committee, carry extra work not to exceed one hour a week.

The total requirement for the Bachelor's degree is as follows:

English	6 hours
Mathematics	3 hours
History	3 hours
Science	3 hours
Philosophy	3 hours
Biblical Literature	3 hours
Language (other than English)...	6 hours
Spoken English	1 hour
Elective work	32 hours

Elective Work: Each student is required to elect at least eight hours of work in one department and six hours in an allied department. Students should consult the

Dean in regard to such elections before the beginning of Junior year.

Attendance: Every student is expected to attend all of her scheduled college exercises and may expect that the grade of her work will be affected by regularity. Absences at the beginning or end of vacations must be made up by an examination, accompanied by a fee of \$2.00 in each subject in which a recitation has been missed. Such examinations are to be taken within two weeks. Failure to comply with this regulation requires the student to drop the regular work of the course until the test has been taken. Exceptions may be made by the Scholarship Committee in the case of a student who presents a written explanation from parent or guardian showing illness of student or in the immediate family, or other emergency.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by instructors, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

Examinations: Examinations are given in all subjects at the end of each semester. Students failing to present themselves for examination in any course may secure private examination only by permission of the Dean and upon payment of a fee of \$2.00. This fee is also charged for tests taken to remove conditions, except entrance conditions. If several examinations are to be taken under one permit in case of sickness, a fee of \$3.00 shall cover the

list. Partial examinations, assigned during the semester at the discretion of instructors, are under the same regulations as others, except that the Dean may remit the fee, in case of illness.

Conditions: All entrance conditions are to be removed before a student is allowed to begin the work of the Sophomore year, unless extension of time is granted by the Scholarship Committee.

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed with the permission of the Dean by prescribed work and re-examination, or by the repetition of the course when next regularly given.

Any required work unavoidably omitted or not completed at the time when it is regularly scheduled must be taken the next year.

A student who is deficient in more than three hours of the required number of hours loses class standing and becomes unclassified until such time as these conditions shall be removed.

A student who is carrying the required number of hours but is deficient in more than three hours of the required subjects is also unclassified.

Special Students: Special students are subject to the same requirements as other students as to attendance, examinations, standing in classes and general regulations.

Reports and Grades: Letters are used to designate academic standing. A represents 90-100; B, 80-90; C, 70-80; D, 60-70; E, failure.

For graduation a student must have to her credit a grade C or above in thirty year hours out of the total of sixty hours required.

Reports will be sent to parents or guardians at the close of each semester during the Freshman and Sophomore years. Juniors and Seniors may receive their grades from the Dean on request.

General Information

SITUATION

The College, located in the East End of Pittsburgh, combines accessibility with seclusion to an unusual degree. The beautiful campus, bordering on Woodland Road, provides a natural amphitheatre which is employed with fine effect for the presentation of plays and pageants, and also an athletic field where space is found for tennis, basketball, and other outdoor sports.

Hamilton Avenue or Highland Park electric cars running out Fifth Avenue from the down-town district pass very near the campus entrances on Murray Hill Avenue and on Woodland Road. Persons entering the city by the Pennsylvania Lines should check their baggage to the East Liberty Station. Taxicabs may be taken from this station to the college.

BUILDINGS

Berry Hall is four stories in height. Its lower floors are employed chiefly for administrative purposes, but contain also the libraries and drawing rooms. For the convenience of day students especially, each class has been assigned a comfortably furnished room, known as a "Den."

Dilworth Hall is devoted to academic uses. In it are the assembly hall, lecture rooms and laboratories.

Music Hall contains studios and practice rooms.

The Gymnasium occupies the lower floor of Music Hall.

Woodland Hall, a residence house, is a four-story fire-proof building with accommodations for fifty students. It is constructed after the most approved plans for college dormitories and affords an attractive home.

LIBRARY

The College Library is housed in Berry Hall and students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. The departmental collections are enlarged from time to time by gifts from the alumnae and friends, or by the appropriation of funds. Notable among the recent gifts is that of the classical library of the late William S. Pelletreau, by his niece, Mrs. John Biddle Clark. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an alumna of the college, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; as this fund increases, its interest becomes available for the purchase of important books.

The College reading room is supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

The nearness of the Carnegie Institute is a decided advantage to the College. The Institute maintains a library containing 475,753 volumes, museums, and art galleries with valuable permanent collections of paintings, architecture and sculpture. It holds exhibits of the work

of both European and American artists, and in its halls are to be heard, from time to time, concerts and lectures of high standard.

RESIDENCE

It is the plan of the College to make dormitory life as homelike as possible. Every opportunity is given for pleasant intercourse among students and between faculty and students. Berry Hall and Woodland Hall have their own dining rooms and living rooms, and are presided over by experienced house directors.

The daily life of the residence halls is regulated by student government, through the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

Health is considered of the highest importance. Physical examinations are required of each resident student upon entrance, and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the College and has charge of all cases of illness, except a protracted or serious case demanding a private nurse. The infirmary in Woodland Hall is well equipped for the care and comfort of the sick.

The department of Physical Training in its required and elective courses offers opportunity for intelligent exercise and right physical development. All resident students are required to take daily outdoor exercise.

EXPENSES

The charges given below are effective for all students in attendance during the academic year 1920-1921 and thereafter. The increase above previous charges which they represent is due to the increased cost of administering the college in every department.

The charge for tuition for all regular students and those carrying eight hours or more, whether living in the college buildings or not, is \$175.00 a year. Tuition is payable in advance and is not subject to return or deduction.

The charge for tuition for certificate students in Social Service is \$175.00. The charge for tuition for certificate students in Music and Spoken English is \$100.00 a year, in addition to special fees for private lessons in each of these departments.

The charge for board and room to students living in halls of residence is \$400.00—this amount to be paid as follows:

September (at opening of College).....	\$200.00
February (at beginning of second semester)...	200.00

FIXED TIMES AND AMOUNTS OF PAYMENTS FOR TUITION

Candidates for A. B. degree and Social Service Certificate:

September (at opening of College).....	\$100.00
February (at beginning of second semester)...	75.00

Candidates for certificates in Music and Spoken English:

September (at opening of College).....	\$100.00
--	----------

74 PENNSYLVANIA COLLEGE FOR WOMEN

Students who are permitted to take seven hours or less of class room work a week, pay tuition for the year on the following scale: For a one hour course, \$15.00; a two hour course, \$30.00; a three hour course, \$45.00. Payment is due at the beginning of the year.

Payments must be made before the student can take her place in the class room. No exception will be made to this rule without written permission from the President.

Checks should be made payable to Pennsylvania College for Women.

No degree will be conferred and no record of credit will be given until all bills due the College by the candidate have been paid.

	<i>Per Year</i>
Registration Fee.....	\$ 10.00
Laboratory Fee.....	10.00

(A reasonable charge is made for breakage. Advanced science course fee in proportion to material used.)

Diploma:

Bachelor of Arts.....	\$ 10.00
Master of Arts.....	15.00
Tutoring, per hour.....	1.00
Special Examination.....	2.00
Laundry, plain pieces, per dozen.....	.50
Boarding During Vacation, per week.....	12.00

DEPARTMENT OF MUSIC

Tuition in music must always be paid in advance and is not subject to return or deduction.

The following charges apply only to those students taking academic work in the College.

Instruction for the College year :

HEADS OF DEPARTMENT

PIANOFORTE

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

ASSISTANTS IN DEPARTMENT

PIANOFORTE

Two lessons a week.....	\$100.00
One lesson a week.....	60.00

ORGAN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

VIOLIN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

SINGING

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

For use of Pianoforte for College year.....	\$ 20.00
For use of Pipe Organ for College year.....	30.00

76 PENNSYLVANIA COLLEGE FOR WOMEN

The following charges apply only to those students *not* taking academic work in the College.

Instruction for the College year :

HEADS OF DEPARTMENT

PIANOFORTE

Two lessons a week.....	\$180.00
One lesson a week.....	100.00

ASSISTANTS IN DEPARTMENT

PIANOFORTE

Two lessons a week.....	\$140.00
One lesson a week.....	80.00

ORGAN

Two lessons a week.....	\$180.00
One lesson a week.....	100.00

VIOLIN

Two lessons a week.....	\$180.00
One lesson a week.....	100.00

SINGING

Two lessons a week.....	\$180.00
One lesson a week.....	100.00

All lessons are thirty minutes in length.

THEORETICAL SUBJECTS

Private lessons in all theoretical subjects same price as for Piano.

Class instruction in all theoretical subjects, \$30.00 per year.

Special arrangements may be made for lessons on instruments not mentioned above.

DEPARTMENT OF SPOKEN ENGLISH

Per Year

Private lessons, twice a week.....\$100.00

Private lessons, once a week..... 60.00

SCHOLARSHIPS

Three scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved president of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, Hotel Schenley, Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfil a wish expressed by the late Mary Hawes Nevin, an alumna

of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantages of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association, the Mary Hawes Nevin Scholarship by Mrs. John I. Nevin. These scholarships are granted for one year, but may be renewed upon application.

3. THE COLLOQUIUM SCHOLARSHIP. Established in 1919 by the Colloquium Club of Pittsburgh, to promote and maintain the interest of the Club in the growth of the College. The scholarship is awarded on recommendation of the Scholarship Committee of the Colloquium Club.

RELIGIOUS LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are required to be present at the daily chapel service, and resident students to be regular attendants at the church of their choice on Sunday mornings and at the Sunday vesper services in Berry Hall.

SOCIAL LIFE

The College emphasizes social life, as an essential part of a liberal education. The Public Occasions Committee supervises all plans for entertainments and other social activities. Day students share with resident students in the

enjoyment of social events. The traditional college celebrations are those of Color Day, Hallowe'en, Christmas, the Mid-year Dance, St. Valentine's Day, May Day and the Senior Play.

The Young Women's Christian Association gives a reception to new students at the beginning of the year. Class entertainments, recitals of the departments of Music and Spoken English, and many informal events throughout the year contribute to a pleasant social atmosphere.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as have been delegated to it by the faculty.

The Young Women's Christian Association holds weekly prayer meetings and organizes Bible and mission study classes. The Association contributes to philanthropic and missionary work at home and abroad. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Pennsylvanian, the College year book, is published every other year by the Junior and Senior classes combined. It is a summary of student activities and student life.

The Sorosis, the College magazine, is published by the students and presents the varied interests of the College.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the

promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The society holds occasional open meetings for the presentation of special programs.

The College Musical Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented, with papers and discussions.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture and the occasional presentation of carefully selected plays. The principal event of the Club year is the production of Senior dramatics. The plays in 1919 were: "Pomander Walk" and "Prunella."

The Athletic Association affords the students of the college an opportunity to play basketball, tennis and all out-door games. Arrangements for swimming have been made at the Central Young Women's Christian Association.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city. This organization has an enthusiastic membership and its work is much valued in college life.

The Mandolin Club is open to students who play the mandolin or guitar. With the Glee Club it gives annual concerts, and assists at college functions and other entertainments.

Phi Pi was organized to create a more alert interest in the classics by discussing topics for which there is not time in the regular class room work, by presenting Greek and Latin plays, tableaux, or other attractive programs and by keeping the members informed on current literature bearing on the study of Latin and Greek.

The Chemistry Club was organized for the study of present day problems in Science. Membership is open to advanced students.

The "Cercle Francais" is open only to students of advanced standing in the French department. It has been organized to promote a greater interest in conversational French. Monthly meetings are held, at which one act plays and attractive programs are presented. The members are also eligible to the Alliance Francaise of Pittsburgh.

The Polity Club is an organization open to all students for the study of international affairs.

VOCATIONAL ASSISTANCE

Every assistance will be rendered to the members of the graduating class and alumnae in securing teaching or other positions.

ALUMNAE ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually

82 PENNSYLVANIA COLLEGE FOR WOMEN

the *Alumnae Recorder*, containing a list of graduates, and many items of interest concerning alumnae and former students.

The officers of the Association for the year 1919-1920 are:

<i>President</i>	Mrs. Westanna Pardee, '79
<i>Vice-President</i> ..	Mrs. Bessie Johnson McGinnity, '07
<i>Secretary</i>	Mrs. Mabel Crowe Baird, '11
<i>Treasurer</i>	Miss Helen M. Steele, '15

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical ways. Three clubs of recent alumnae have been organized, members of the classes between 1890 and 1900 forming Decade Club I, graduates from 1900 to 1910 Decade Club II, and graduates from 1911 on Decade Club III.

THE CORA HELEN COOLIDGE CLUB FOR SOCIAL SERVICE

This is an organization made up of graduates of the department of Social Service and of advanced students who are candidates for the certificate in Social Service. The meetings of the Club are held bi-monthly at the College.

Degrees Conferred in 1919

BACHELOR OF ARTS.

Ailes, Helen	<i>Pittsburgh</i>
Applestein, Lillian Dorothea	<i>Pittsburgh</i>
Bair, Gertrude Stanton	<i>Edgewood</i>
Barron, Marjorie Mary	<i>Latrobe</i>
Bell, Helen Mary	<i>Edgewood</i>
Borland, Margaret McCutcheon	<i>Pittsburgh</i>
Brand, Margaret	<i>Pittsburgh</i>
Brownlee, Martha Foster	<i>Washington</i>
Clarke, Dorothy	<i>Pittsburgh</i>
Cox, Viola Henrietta	<i>Donora</i>
Crawford, Mary Alice	<i>Sewickley</i>
Crouse, Sarah Dora	<i>Sharpsburg</i>
Davis, Ethel Mary	<i>Homestead</i>
Errett, Marjorie Russell	<i>Carnegie</i>
Farr, Florence Marguerite	<i>Avalon</i>
Hamilton, Margaret Elizabeth	<i>Edgewood</i>
Hooff, Virginia Loney	<i>Pittsburgh</i>
Jarecki, Valeska Strunz	<i>Sandusky, O.</i>
Jefferson, Margaret Christelle	<i>Aspinwall</i>
Leitch, Helen Elizabeth	<i>Pittsburgh</i>
Leopold, Henrietta Josephine	<i>Pittsburgh</i>
McEllroy, Elinor Harriet	<i>Edgewood</i>
Rogers, Augusta Georgia	<i>Lexington, Ky.</i>
Sander, Dorothea Lloyd	<i>Pittsburgh</i>
Sheppard, Jane Lois	<i>Pittsburgh</i>
Stevenson, Elisabeth Plumer	<i>West Newton</i>
Taber, Laura Hathaway Nye	<i>Pittsburgh</i>
Weston, Eva May	<i>Gallitzin</i>
Witherspoon, Margaret Workman	<i>Washington</i>

Certificates Granted in 1919

SOCIAL SERVICE

Applestein, Lillian Dorothea	<i>Pittsburgh</i>
Armstrong, Marie Lang	<i>Pittsburgh</i>
Cox, Viola Henrietta	<i>Donora</i>
Cukerbaum, Sorly	<i>Pittsburgh</i>
Hamilton, Margaret Elizabeth	<i>Edgewood</i>
McGrew, Minnie E.	<i>Pittsburgh</i>
Miller, Clara Russell	<i>Pittsburgh</i>
Stevenson, Elisabeth Plumer	<i>West Newton</i>
Stevenson, Elizabeth Plumer	<i>Wheeling, W. Va.</i>
Stoeltzing, Dorothy	<i>Pittsburgh</i>
Taber, Laura Hathaway Nye	<i>Pittsburgh</i>
Weston, Eva May	<i>Gallitzin</i>

MUSIC

Shane, Mabel Wallace	<i>McDonald</i>
Farr, Florence Marguerite	<i>Avalon</i>

Students in 1919-20

GRADUATE STUDENTS

Farr, Florence Marguerite, Pennsylvania College for Women, A.B.	<i>Music</i>
Harris, Mrs. Mildred W., Adelphi, A.B.	<i>English</i>
Hooff, Virginia L., Pennsylvania College for Women, A.B.	<i>French</i>

SENIORS

Armstrong, Margaret Imogene	<i>Vandergrift</i>
Aspinwall, Julia Virginia	<i>Pittsburgh</i>
Bardsley, Eleanor Marshall	<i>Bridgeville</i>
Black, Winifred Johnston	<i>Pittsburgh</i>
Caughey, Catharine Bell	<i>Pittsburgh</i>
Crane, Willard	<i>Terra Alta, W. Va.</i>
Criste, Rita Agnes	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Faddis, Edna	<i>Waynesburg</i>
Fleming, Elizabeth Windber	<i>Colver</i>
Fournier, Gladys Margaret	<i>Beaver</i>
Graham, Clara Williams	<i>Pittsburgh</i>
Hare, Margaret Chalfant	<i>Pittsburgh</i>
Herron, Mary Elsie	<i>Washington</i>
Horix, Helen Gertrude	<i>Pittsburgh</i>
Jamison, Mary Elizabeth	<i>McKeesport</i>
McFarland, Katharine Russell	<i>Pittsburgh</i>
Moore, Margaret C. L.	<i>Pittsburgh</i>
Newell, Elinor	<i>Crafton</i>
Perry, Ethel Lois	<i>Pittsburgh</i>
Shipley, Elizabeth Hewitt	<i>Pittsburgh</i>
Stevenson, Mary Luella	<i>West Newton</i>
Trimble, Eleanor Downs	<i>Bellevue</i>
Wilcox, Virginia Elizabeth	<i>Wilkinsburg</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>

JUNIORS

Biles, Margaret Ellen	<i>Pittsburgh</i>
Collier, Marcella Irene	<i>Roscoe</i>
Crouse, Miriam Le Fevre	<i>Sharpsburg</i>
Curry, Hazel Jewell	<i>Donora</i>
Davis, Wilma Marion Bailais	<i>Grass Lake, Mich.</i>
Espy, Stella Elizabeth	<i>Pittsburgh</i>
Farr, Lois Marjorie	<i>Avalon</i>
Fast, Florence Manila	<i>Fairchance</i>
Frederick, Frances Atwell	<i>Pittsburgh</i>
Geary, Marcella Catherine	<i>Wilksburg</i>
Gilfillan, Margaret Boyd	<i>Bridgeville</i>
Gilmore, Roberta Isabell	<i>Emlenton</i>
Honsaker, Marion Edith	<i>Masontown</i>
Levy, Besse	<i>Pittsburgh</i>
Long, Helen Lucile	<i>Wilksburg</i>
Ludwick, Frances Willard	<i>Oakmont</i>
Martin, Ella Ferguson	<i>Pittsburgh</i>
Montgomery, Emma Louise	<i>Pitcairn</i>
Murphy, Elizabeth	<i>Vandergrift</i>
Pew, Edith	<i>Wilksburg</i>
Reed, Mary Elizabeth	<i>Latrobe</i>
Russell, Mary Byrd	<i>Fredericksburg, Va.</i>
Shaffer, Mabel Berthea	<i>Kittanning</i>
Sprowls, Mary Elizabeth	<i>Donora</i>
Sullivan, Gladys Marguerite	<i>McKeesport</i>
Sumpter, Caroline Elizabeth	<i>Fairmont, W. Va.</i>
Treloar, Helen Margaret	<i>Homestead</i>
Wills, Margaret Rachel	<i>Belleville</i>
Wilson, Belle McMaster	<i>Pittsburgh</i>

SOPHOMORES

Allison, Helen Ruth	<i>Chester, W. Va.</i>
Barnes, Margaret May	<i>Springdale</i>
Beren, Ella Marie	<i>Parkersburg, W. Va.</i>
Berryman, Margaret	<i>Charlrooi</i>
Boots, Betty Dean	<i>Pittsburgh</i>
Brenneman, Helen	<i>Freeport</i>
Brown, Margaret K.	<i>Pittsburgh</i>
Brownlee, Martha Ashton	<i>West Middletown</i>
Burleigh, Dorothy	<i>Pittsburgh</i>
Carter, Catherine Julia	<i>Uhrichsville, O.</i>
Caskey, Marjorie Livingston	<i>Crafton</i>
Coggins, Virginia	<i>Bellevue</i>
Connelly, Bonnalyn Isabelle	<i>Ludlow</i>
Davis, Dorothy	<i>Clairton</i>
Davis, Leah Anna	<i>Homestead</i>
Donehoo, Laura Belle	<i>Washington</i>
Dulany, Mary Jane	<i>McKeesport</i>
Edsall, Lillian Warner	<i>Oakmont</i>
Eisaman, Dorothy Lucetta	<i>Swissvale</i>
Foster, Elizabeth Bell	<i>Pittsburgh</i>
Gorzo, Rose P.	<i>McKeesport</i>
Gray, Margaret Gourley	<i>Coshocton, O.</i>
Greves, Sarah B.	<i>New Alexandria</i>
Gross, Helen Julia	<i>Pittsburgh</i>
Hamm, Julia	<i>Knox</i>
Hay, Grace McKinley	<i>Wilkinsburg</i>
Held, Emma M.	<i>Pittsburgh</i>
Hill, Harriett	<i>Pittsburgh</i>
Jay, Anne Elizabeth	<i>Arnold</i>
Keck, Helen Ruth	<i>Greensburg</i>
MacLaughlin, Mary Emma	<i>Pittsburgh</i>
Miller, Sarah A.	<i>Pittsburgh</i>
Newmaker, Florence Isabel	<i>Warren</i>
Reed, Frances Lucile	<i>Crafton</i>
Scott, Susan Helen	<i>Pittsburgh</i>
Solomon, Florence E.	<i>Pittsburgh</i>

SOPHOMORES—Continued

Stuckslager, Elizabeth Robinson	<i>McKeesport</i>
Taylor, Katherine Jane	<i>Washington</i>
Wally, Georgia Alverna	<i>Etna</i>
Wilson, Elizabeth Stewart	<i>Pittsburgh</i>
Wilson, Ella May	<i>Saltsburg</i>

FRESHMEN

Ainsworth, Mary Frances	<i>Wilmerding</i>
Allen, Leanore	<i>Bridgeville</i>
Alpern, Anna	<i>Pittsburgh</i>
Barker, Harriet	<i>Pittsburgh</i>
Bowers, Harriette Weaver	<i>Vandergrift</i>
Bradshaw, Margaret Gertrude	<i>McKeesport</i>
Brown, Helen B.	<i>Pittsburgh</i>
Brown, Mary Elizabeth	<i>Pittsburgh</i>
Bumgarner, Jean Boyd	<i>Natrona</i>
Byron, Eva Petrea	<i>Mahaffey</i>
Chapin, Ione	<i>Pittsburgh</i>
Clyde, Mildred May	<i>McKees Rocks</i>
Colebrook, Louise	<i>Pittsburgh</i>
Davis, Goldie Lillian	<i>Toledo, O.</i>
Dickey, Josephine Savilla	<i>Pittsburgh</i>
Dillon, Carolyn Bovard	<i>Beaver</i>
Gribble, Sophie Worrell	<i>South Brownsville</i>
Hamilton, Lyda Evelyn	<i>Parnassus</i>
Hanau, Margaret	<i>Washington</i>
Hay, Eleanor Detro	<i>Wyoming</i>
Horner, Evelyn Faye	<i>Conemaugh</i>
Johnstone, Elizabeth Jessie	<i>Titusville</i>
Kiskaddon, Anna Hathaway	<i>Freeport</i>
Kress, Justine Fronheiser	<i>Wilkinsburg</i>
Lane, Georgiana	<i>Lane's Mills</i>
Leopold, Mary Lucy	<i>Pittsburgh</i>
Leslie, Mary Martha	<i>Pittsburgh</i>
Limber, Louise	<i>Franklin</i>
Lindley, Leola Josephine	<i>Dunn's Station</i>
McCormick, Dorothy Estelle	<i>Carrick</i>
McDonald, Marion Beatrice	<i>Braddock</i>
McFarland, Helen Gertrude	<i>Oakdale</i>
McGormley, Myra M.	<i>Maumee, O.</i>
McKibbin, Martha Rankin	<i>Pittsburgh</i>
McKinney, Mary	<i>Pittsburgh</i>
McRoberts, Margaret Mary	<i>Sharpsburg</i>

FRESHMEN—Continued

Macleod, Jean Morrison	<i>Edgewood</i>
Norris, Marcia Goodwin	<i>Pittsburgh</i>
Ohle, Marie Porter	<i>Ben Avon</i>
Patterson, Marjorie Smith	<i>Washington</i>
Peterson, Eliza Anne	<i>Ligonier</i>
Rolfe, Frances Arlina	<i>Homestead</i>
Sapper, Helen Elizabeth	<i>Uniontown</i>
Scott, Lauretta Rachel	<i>Washington</i>
Silverman, Lillian Bertha	<i>New Kensington</i>
Smith, Sara Ellen	<i>East Liverpool, O.</i>
Stevenson, Margaret Lucille	<i>Pittsburgh</i>
Stevenson, Virginia Fairfax	<i>Crafton</i>
Stilwell, Mary Margaret	<i>Southbridge, Mass.</i>
Taylor, Maurine	<i>Winchester, Ind..</i>
Titzell, Carolyn Woodward	<i>Kittanning</i>
Treloar, Bernice Anna	<i>Homestead</i>
Troupe, Dorothy E.	<i>Pittsburgh</i>
Westhead, Caroline Elizabeth	<i>Avalon</i>
Wible, Marion Josephine	<i>Washington</i>
Wilds, Edith May	<i>Arnold</i>
Wilson, Josephine	<i>Kittanning</i>
Wilson, Louise Thompson	<i>Wilkinsburg</i>
Wilson, Madeline Elizabeth	<i>Pittsburgh</i>
Wolfe, Ruth Westbrooke	<i>Taylorstown</i>
Zahorchak, Eugenia Cecilia	<i>McKeesport</i>

UNCLASSIFIED STUDENTS

Candidates for certificates, or for classification as regular students, who are carrying twelve hours or more in college classes:

Barnard, Dorothy Hamilton	<i>Emlenton</i>
Bogges, Beulah	<i>Shinnston, W. Va.</i>
Brachman, Lillian	<i>Marietta, O.</i>
Caughey, Marjorie J.	<i>Pittsburgh</i>
Connelly, Ina Marie	<i>Ludlow</i>
Fair, Mary Eleanor	<i>Pittsburgh</i>
Garner, Marjorie	<i>Pittsburgh</i>
Goldberg, Anne	<i>Pittsburgh</i>
Hesselgesser, Helen Naomi	<i>Freeport</i>
McCullough, Helen Irene	<i>Vandergrift</i>
Murray, Frances Lorraine	<i>Swissvale</i>
Rainey, Marion McGinley	<i>Avalon</i>
Slocum, Marion Eleanor	<i>Ellwood City</i>
Warrick, Mildred	<i>Washington</i>

SPECIAL STUDENTS

Barclay, Mildred J.	<i>Pittsburgh</i>
Bowman, Helen Marr	<i>Pittsburgh</i>
Brown, Virginia E.	<i>Wilkinsburg</i>
Forsyth, Gail	<i>Pittsburgh</i>
Gifford, Velma	<i>Pittsburgh</i>
Leitch, Mrs. L. S.	<i>Pittsburgh</i>
Leopold, Lenita Mary	<i>Oakmont</i>
Lohr, N. Carolyn	<i>Latrobe</i>
McIntyre, Cora Augusta	<i>Wilkinsburg</i>
Rankin, Ruth	<i>Pittsburgh</i>
Ruben, Anna	<i>Pittsburgh</i>
Sheldon, Ruth Hicks	<i>Pittsburgh</i>
Snyder, Mrs. Loretta K.	<i>Pittsburgh</i>
Snyder, Louise Kathryn	<i>Pittsburgh</i>
Vatz, Blanche	<i>Pittsburgh</i>
Walsh, Christina Kirk	<i>Staten Island, N. Y.</i>
Weckerle, Inez	<i>Pittsburgh</i>
Wilson, Elizabeth	<i>Kittanning</i>

FORM FOR WILL BEQUESTS

I give and bequeath to the "Trustees of The Pennsylvania College for Women in the County of Allegheny," incorporated under the law of the State of Pennsylvania, the sum of.....dollars; and the receipt of the Treasurer thereof shall be sufficient discharge to my executors for the same.

INDEX

[illegible]

INDEX—Continued

[illegible]



Pennsylvania College
for Women
Pittsburgh

Announcements for 1921-1922

Register of Faculty and Students for
1920-1921

-:-

-:-

Calendar 1921

-:-

-:-

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	..	1	..	..	1	2	3	4	5	..	..	1	2	3	4	5	..	..	..	..	..	1	2
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	..	..	..	..	..	27	28	29	30	31	..	..	24	25	26	27	28	29	30
30	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	..	1	2	3	4	..	..	1	2	3	4	5	..	1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31	..	..	..	..	26	27	28	29	30	..	..	24	25	26	27	28	29	30	28	29	30	31	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..	..	..	..	..	..	..	..
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	..	..	..	..	1	..	..	1	2	3	4	5	..	..	1	2	3	4	5	6
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
25	26	27	28	29	30	..	23	24	25	26	27	28	29	27	28	29	30	..	..	..	25	26	27	28	29	30	31
..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

-:-

-:-

Calendar 1922

-:-

-:-

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	..	..	1	2	3	4	..	..	1	2	3	4	5	..	..	1	2	3	4	5	6
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	16	17	18	19	20	21	22
29	30	31	..	..	..	..	26	27	28	..	..	..	..	26	27	28	29	30	31	..	23	24	25	26	27	28	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	..	..	..	..	..	..
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	1	2	3	4	5	6	..	..	..	1	2	3	..	..	1	2	3	4	5	..	..	1	2	3	4	5	6
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
28	29	30	31	..	..	..	25	26	27	28	29	30	..	23	24	25	26	27	28	29	27	28	29	30	31	..	..
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30	31	..	..	..	..	..	..	..	..	..	..	..	..
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
..	..	..	..	..	1	2	..	..	..	..	1	2	3	..	..	1	2	3	4	..	..	1	2	3	4	5	6
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	..	..	..	..	26	27	28	29	30	..	..	24	25	26	27	28	29	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31	..	..	..	..	..	..

Calendar

1921

- 20 September, Tuesday
First Semester begins—Enrollment
- 21 September, Wednesday, 9:30 A. M. - Recitations begin
- 24 November, Wednesday, 1:00 P. M.
Thanksgiving Vacation begins
- 28 November, Monday, 9:30 A. M. - - College opens
- 9 December, Friday - - - - Founder's Day
- 21 December, Wednesday, 1:00 P. M.
Christmas Vacation begins

1922

- 4 January, Wednesday, 6:00 P. M. - College opens
- 27 January, Friday - - Mid-year examinations begin
- 3 February, Friday, 4:30 P. M.
Mid-year vacation begins
- 6 February, Monday, 9:30 A. M.
Second Semester begins
- 22 February, Wednesday - - - Washington's Birthday
- 24 March, Friday, 4:30 P. M. - Spring vacation begins
- 3 April, Monday, 6:00 P. M. - - - - College opens
- 29 May, Monday - - - - Final Examinations begin
- 30 May, Tuesday - - - - - Memorial Day
- 9 June, Friday, 3:00 P. M. - - - Alumnae Meeting
- 10 June, Saturday - - - - - Class Day
- 11 June, Sunday, 11:00 A. M. - Baccalaureate Sermon
- 12 June, Monday, 8:15 P. M.
Commencement and President's Reception

Board of Trustees

OLIVER McCLINTOCK.....	<i>President</i>
WILLIAM H. REA.....	<i>Secretary</i>
A. C. ROBINSON.....	<i>Treasurer</i>

Term Expires 1921

JACOB J. MILLER	MRS. WM. S. MILLER
W. W. BLACKBURN	MRS. WM. WATSON SMITH
J. C. GRAY	MRS. WM. N. FREW

Term Expires 1922

OLIVER McCLINTOCK	JOHN C. ACHESON
A. C. ROBINSON	A. W. MELLON
MRS. JOHN I. NEVIN	REV. J. K. McCLURKIN, D.D.

Term Expires 1923

WILLIAM H. REA	H. H. LAUGHLIN
REV. W. L. McEWAN, D.D.	MRS. CHAS. H. SPENCER
RALPH W. HARBISON	MRS. JAS. H. LOCKHART
MRS. OGDEN M. EDWARDS, JR.	

Standing Committees of the Trustees

Executive Committee: Mr. Blackburn, Dr. McEwan, Mr. Mellon, Mr. Rea, Mr. Harbison, Mrs. Spencer, Mrs. Frew, Dr. Acheson, Mr. Robinson.

Finance Committee: Mr. Mellon, Mr. Robinson, Judge Miller, Mr. Blackburn, Mr. Laughlin, Mr. Harbison.

Committee on Faculty and Studies: Dr. McClurkin, Dr. McEwan, Dr. Acheson, Mrs. Miller, Mrs. Spencer, Mrs. Lockhart.

Committee on House Visitation: Mrs. Spencer, Mrs. Nevin, Mrs. Miller, Mrs. Smith, Mrs. Edwards.

Auditing Committee: Mr. Laughlin, Dr. McEwan.

The Officers of Administration and Instruction

EXECUTIVE OFFICERS

JOHN C. ACHESON, LL.D.

President

FLORENCE K. ROOT, A.M.

Dean

JANET L. BROWNLEE

Assistant to the Dean

MARGARET A. STUART

Secretary

M. HELEN MARKS, A.B.

Registrar

THE FACULTY AND OTHER OFFICERS

JOHN C. ACHESON, LL.D.

President

VANDA E. KERST

Spoken English

LUELLA P. MELOY, A.M.

Economics, Sociology

MARGARET A. STUART

Secretary

ELIZABETH B. WHITE, Ph.D.

History

EDITH G. ELY, A.B.

French

LETITIA BENNETT, B.L.

Mathematics

The Faculty and Other Officers

MAE B. MacKENZIE

Piano

LAURA C. GREEN, A.M.

Latin, Greek

ELLA M. MARSHALL

Hygiene, Resident Nurse

GEORGIA PROCTOR, A.B.

Librarian

M. HELEN MARKS, A.B.

Registrar

GEORGE B. LAWSON, A.M., D.D.

Philosophy, Biblical Literature

MILDRED J. BEBEE, Ph.B.

Rhetoric

FLORENCE K. ROOT, A.M.

Dean

JANET L. BROWNLEE

Assistant to the Dean

H. RYERSON DECKER, A.B., M.D.

Physician

M. MARGUERITE McBURNEY, A.B.

Chemistry, Biology

MARION E. GIFFORD

Physical Training

EDNA S. WINTERS, A.M.

Education, Psychology

JAMES B. GARNER, Ph.D.

Chemistry

ALICE de La NEUVILLE, A.B.

French, Spanish

The Faculty and Other Officers

JANE ERRETT, A.M.

Physics

ANNA BELL CRAIG

History of Art

FLORENCE M. FARR, A.B.

Piano

RUTH E. MOREY, A.B.

History

MABEL DAVIS ROCKWELL

Singing

CATHERINE J. WILLIAMS, A.M.

Organ, Piano

CARLL W. DOXSEE, Ph.D.

English

DORA ROSENBERGER, A.B.

French, Italian

ELEANOR SPINDLER EGLI

Violin

MARGRETT L. HOFER

Assistant to the Secretary

Arranged, with the exception of the President, in order of appointment

MRS. MELLIE C. WOODWARD

House Director

Faculty Organization

Officers: President, Dr. Acheson; Dean, Miss Root; Secretary, Dr. Doxsee.

Cabinet: President, Secretary, Dean, Miss Bennett, Miss Ely, Miss Meloy, Dr. Lawson.

Committees

Curriculum: Miss Ely, Dr. Lawson, Miss McBurney.

Scholarship: Dean, Miss Bennett, Miss Green, Miss Marks, Dr. White.

Dormitory: Miss Kerst, Miss Brownlee, Miss Ely, Miss Gifford, Dean.

Documents: Dr. Lawson, Miss Stuart, Miss Meloy, Miss Bebee, Miss Errett.

Library: Miss Green, Miss Proctor, Dr. Doxsee.

Public Occasions: Dean, Mrs. Acheson, Miss Brownlee, Miss Kerst, Miss MacKenzie, Miss Morey, Mrs. Rockwell, Miss Winters.

Academic Information: Dr. Lawson, Miss Marks, Miss Meloy, Dr. Garner, Miss Green, Dean, Dr. Doxsee.

Faculty-Student Council

President, Dean, Miss Bennett, Miss McBurney, Dr. White; Student Government Board.

Correspondence

In the list below are the names of persons to whom communications of various types should be addressed.

Admission of Students: Florence Kellogg Root, Dean.

Questions Relating to Health, Scholarship, or General Welfare of Students:
The Dean.

Requests for Catalogues or Other Information: M. Helen Marks,
Registrar.

Business Matters: Margaret A. Stuart, Secretary.

Pennsylvania College for Women

PENNSYLVANIA COLLEGE FOR WOMEN was founded to supply the need in Western Pennsylvania for an institution of higher learning, organized and maintained under distinctively Christian influences. The East End of Pittsburgh was chosen as the location best suited for such a center of liberal education, and a campus was secured upon a hill crest in immediate proximity to Fifth Avenue, and between the rapidly growing resident districts of East Liberty and Shadyside. The fine old family residence already standing upon the property was remodeled and enlarged to meet the requirements of the new school, and at a later time received the name Berry Hall in memory of its former owner. The founding of the College was made possible by the generous gifts and active cooperation of many interested friends. The charter, granted in December, 1869, authorized the conferring of degrees such as are "usually granted and conferred in other colleges of the United States of America," to students who should complete the required courses of instruction in the liberal arts and sciences. The first class to be graduated comprised six students, who received their degrees in 1873.

Dilworth Hall, the second of the college buildings in order of erection, was named for Mr. Joseph Dilworth, the largest contributor toward its cost and a staunch friend and supporter of the institution. This structure was completed and dedicated in 1888. The Gymnasium was built in 1892. A Music Hall was added to this building in 1897. Woodland Hall was opened as a dormitory in September, 1909.

Admission of Students

Each candidate for admission must fill out and return to the College application cards which will be furnished upon request. Each application must be accompanied by a registration fee of \$10.00 which is credited on the first payment, or refunded if notice of withdrawal is received by August 15th.

To reserve rooms for the college year beginning in September, students in residence the previous college year must pay to the Secretary a fee of \$10.00 when reservation is made. This fee is credited on the first payment if student returns, or refunded if notice of withdrawal is received by August 15th.

All applications for rooms in college buildings take the date on which the application fee is received.

Until June first, but not after that date, *applications from former students* will take precedence of those from new students in the matter of rooms.

Candidates for advanced standing whose credentials admit them to Junior or higher rank, will take precedence of candidates for the Freshman class in the assignment of rooms. All other students will be assigned rooms in order of application.

The date of withdrawal of a student is the day on which the Secretary is informed in writing of the fact by the parent or guardian.

METHODS OF ADMISSION

Admission to the Freshman class is by one of the following methods:

(a) EXAMINATION. Applicants for admission may be examined at the College either during the week preceding Commencement or at the opening of the College year.

Certificates of the College Entrance Examination Board are accepted in lieu of the entrance examination at the College.

(b) CERTIFICATE FROM ACCREDITED SCHOOLS. Instead of examination, certificates from high schools and academies whose work has been approved by the College and whose courses prepare for the Freshman class, will be accepted. Blank forms of such certificates may be obtained from the Dean or the Registrar. Application for membership in the Freshman class should be made as early as possible, in order to insure the prompt completion of all preliminary arrangements. Students received on certificate are regarded as on probation during the first semester.

REQUIREMENTS FOR ADMISSION

Fifteen units are required for admission to the Freshman class. A unit represents a study continued throughout a year of thirty-six weeks in a secondary school, with five recitations a week, constituting approximately a quarter of a full year's work. An exception to this definition is made in regard to English, in which subject four years of High School work are necessary for three units' credit. The required fifteen units must include English (three units),

Foreign Languages (four units—two of these must be in Latin; two in either French, German, Greek or Spanish), History (one unit), Mathematics (two and one-half units—Algebra, one and one-half units; Plane Geometry, one unit.) In addition to the above, the student must present four and one-half units from the following list of subjects: Civics, English, French, German, Greek, History, Latin, Spanish, Mathematics, Science, Music.

One unit only in Music may be offered. Less than two units in any language will not be accepted. More than four units in any department will not be accepted.

ENGLISH

Three units required.

(a). COMPOSITION. Students should be familiar with the essentials of English grammar, should know the fundamental principles of rhetoric, and should be able to apply them to the construction of effective sentences and paragraphs and in the organization of written work. No student will be accepted whose paper is notably deficient in logical development of the subject matter, or in such details of form as spelling, punctuation, grammar and division into paragraphs.

(b) LITERATURE. The books recommended are those listed in the Uniform College Entrance Requirements in English, for classes entering in 1920-1922, but other similar books will be accepted as equivalents. Study should develop an appreciation and enjoyment of literature, a knowledge of subject-matter and structure, some acquaintance with the lives of the authors and the period in which they lived.

LIST OF BOOKS, 1920-1922

A. BOOKS FOR READING

The books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in GROUP I a book from any other may be substituted.

GROUP I—CLASSICS IN TRANSLATION—*The Old Testament*, at least the chief narrative episodes in *Genesis*, *Exodus*, *Joshua*, *Judges*, *Samuel*, *Kings*, and *Daniel*, together with the books of *Ruth* and *Esther*.

The Odyssey, with the omission, if desired, of Books I-V, XV, and XVI.

The *Æneid*.

The Odyssey and the *Æneid* should be read in English translations of recognized literary excellence.

GROUP II—DRAMA—Shakespeare: *Merchant of Venice*, *As You Like It*, *Julius Caesar*.

GROUP III—PROSE FICTION—Dickens: *A Tale of Two Cities*; George Eliot: *Silas Marner*; Scott: *Quentin Durward*; Hawthorne: *The House of The Seven Gables*.

GROUP IV—ESSAYS, BIOGRAPHY, ETC.—Addison and Steele: *The Sir Roger de Coverley Papers*; Irving: *The Sketch Book*—selections covering about 175 pages; Macaulay: *Lord Clive*; Parkman: *The Oregon Trail*.

GROUP V—POETRY—Tennyson: *The Coming of Arthur*; *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Browning *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "De Gustibus,"—*Instans Tyrannus*; Scott: *The Lady of the Lake*; Coleridge: *The Ancient Mariner*, and Arnold: *Sohrab and Rustum*.

B. BOOKS FOR STUDY

The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I—DRAMA—Shakespeare: *Macbeth* or *Hamlet*.

GROUP II—POETRY—Milton: *L'Allegro*, *Il Penseroso*, *Comus*; Book IV of Palgrave's *Golden Treasury* (First Series) with special attention to Wordsworth, Keats and Shelley.

GROUP III—ORATORY—Burke: *Speech on Conciliation with America*; Washington: *Farewell Address*; Webster: *First Bunker Hill Oration*; and Lincoln: *Gettysburg Address*.

GROUP IV—ESSAYS—Macaulay: *Life of Johnson*; Carlyle: *Essay on Burns*, with a brief selection from Burns' *Poems*.

FOREIGN LANGUAGES

FRENCH

(a) The fundamental principles of grammar: Inflection of nouns, adjectives, the use of all pronouns; conjugation of regular verbs and the common irregular verbs; the elementary rules of word order. Reading and translation of not less than 100 pages of easy modern French. Ability to read French aloud intelligently with correct pronunciation and to answer simple questions in French based upon the text read. (One unit.)

(b) Further study of grammar, particularly of syntax. Common idiomatic phrases, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 400 pages of modern stories and plays, with a few poems, in addition to the amount already indicated.

Ability to translate easy English prose into idiomatic French. Practice in dictation, conversation, memorizing of selected passages. (One unit.)

(c) A thorough review of the grammar accompanied by the use of a good text book in French prose composition. Reading and translation of not less than 400 pages of more difficult French, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in French, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in class. (One unit.)

GERMAN

(a) A knowledge of elementary grammar, including forms and the simpler rules of syntax and word order. Reading and translation of not less than 100 pages of easy modern German prose. Ability to read German aloud intelligently and with correct pronunciation and to answer simple questions in German based upon the texts read. (One unit.)

(b) Further study of grammar, particularly of syntax, uses of modal auxiliaries, subjunctive and infinitive moods. Reading and translation of not less than 200 pages of modern stories, plays and biography. Ability to translate easy English prose into German. (One unit.)

(c) A thorough review of the grammar, accompanied by the use of a good text book in German prose composition. Reading and translation of not less than 400 pages of more

difficult German, half of which should be selected from the simpler classics. Ability to follow a recitation conducted in German, to answer questions based upon the texts and to give oral and written reproductions of passages read and discussed in the class. (One unit.)

(d) **ADVANCED GERMAN.** The work of the advanced course should comprise the reading of about 500 pages of good literature in prose and poetry, reference reading upon the lives and works of the great writers studied, the writing in German of numerous short themes upon assigned subjects, independent translation of English into German. (One unit.)

GREEK

(a) **GRAMMAR AND ELEMENTARY PROSE COMPOSITION.** An accurate knowledge of the regular Attic Greek forms, idioms, and constructions with constant practice in the writing of simple Greek sentences. (One unit.)

(b) **XENOPHON.** *Anabasis*, Books I-IV or an equivalent amount from the *Memorabilia*. Prose Composition: Pearson or an equivalent. (One unit.)

(c) **HOMER.** *Iliad*, Books I-III omitting lines 494 to 815, with special attention paid to dialectic forms and reading of the Greek. (One unit.)

LATIN

Two units required.

(a) **GRAMMAR AND ELEMENTARY PROSE COMPOSITION.** A knowledge of all regular inflections, common irregular

forms, the fundamental principles of syntax, and a satisfactory vocabulary. (One unit.)

(b) CAESAR. *Gallic War*, Books I-IV, or the equivalent from other books of the *Gallic War* or the *Civil War*, or Nepos, *Lives*; prose composition; sight translation. (One unit.)

(c) CICERO. The four orations against Catiline and the orations for Archias and for the Manilian Law, or the equivalent from other orations of Cicero or from his letters; or from Sallust's *Catiline* and *Jugurtha*, except that the third oration against Catiline and the orations for Marcellus and Archias are required; prose composition; sight translation. (One unit.)

(d) VIRGIL. *Aeneid*, Books I-VI, or the equivalent from other books of the *Aeneid*, or from the *Bucolics* or *Georgics*, or from Ovid's *Metamorphoses*, *Fasti*, or *Tristia*, except that *Aeneid*, Books II, III and VI are required. (One unit.)

SPANISH

(a) A thorough knowledge of the rudiments of grammar, including the inflection of the regular and the more common irregular verbs; the inflection and use of personal pronouns, adverbs, adjectives, prepositions and conjunctions; the order of words in the sentence and the elementary rules of syntax. Reading and translation of not less than 100 pages of graduated texts with constant practice in free reproduction in Spanish of what has been read. Ability to write Spanish from dictation and to read aloud intelligently with correct pronunciation. (One unit.)

(b) Continued study of elements of grammar, especially syntax. Mastery of all but rare irregular verb forms, simpler uses of modes and tenses. Reading and translation of about 200 pages of prose and verse. Practice in dictation, memorizing and prose composition. (One unit.)

HISTORY

One unit required.

Attention is directed to full statement of History and Civil Government requirements in Document 93 of the College Entrance Examination Board.

(a) ANCIENT HISTORY. Greek and Roman history, preceded by an introductory study of earlier nations. Survey of important events in the medieval period to 800 A. D. (One unit.)

(b) MEDIEVAL AND MODERN HISTORY. From the period of the barbarian invasions to the present day. (One unit.)

(c) MODERN HISTORY. (One unit.)

(d) ENGLISH HISTORY. (One unit.)

(e) AMERICAN HISTORY. With an outline study of Civil Government. (One unit.)

(f) CIVIL GOVERNMENT IN THE UNITED STATES. Study of the American Constitution and of the actual working of government, national, state and local. (One-half unit.)

One-half unit of credit represents work for eighteen weeks of a school year; the use of a good text-book of not less than 300 pages, supplemented by an equal amount of collateral reading, study of maps and topical reports.

MATHEMATICS

Two and one-half units required.

(a) ALGEBRA. Factors, common divisors and multiples, theory of exponents, imaginaries. Fractions, radicals, including the extraction of square root of polynomials and of numbers. Equations involving radicals, ratio and proportion. Linear equations, both numerical and literal, containing one or more unknown quantities. Problems depending on linear equations. (One unit.)

(b) QUADRATICS AND BEYOND. Quadratic equations, both numerical and literal, containing one or more unknown quantities. Problems depending on quadratic equations. Graphical representations. Binomial theorem for positive integral exponents. Arithmetical and geometrical progressions. (One unit.)

(c) PLANE GEOMETRY. The theorems and constructions of the five books of good texts. There should be constant practice in original demonstrations and exercises. (One unit.)

(d) SOLID GEOMETRY. The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and

the spherical triangle. The solution of numerous original exercises, including loci problems. Applications to the measurement of surfaces and solids. (One-half unit.)

NOTE: It is very important that students review both Algebra and Geometry in their last preparatory years.

MUSIC

Examination at the College in September. Either A, Harmony; or B, a combination of a less advanced requirement in theory with a practical study—piano, voice, violin, organ or other orchestral instrument will be accepted.

A. The examination in Harmony will be adapted to the proficiency of those who have had one year's systematic training with at least three lessons a week, or its equivalent. The candidate should have acquired the ability:

(a) To harmonize in four vocal parts simple melodies of not less than eight measures involving the use of triads and inversions, of diatonic seventh chords and inversions in the major and minor modes, and of modulations to related keys.

(b) To analyze chords of the ninth, all non-harmonic tones and altered chords including augmented chords. The student will be expected to have full knowledge of the rudiments of music, scales, intervals and staff notation, including the terms and expression marks in common use.

B. The examination in Theory will be adapted to the proficiency of those who have had one year's systematic training with at least one lesson a week, or its equivalent. The candidate should have acquired:

(a) A knowledge of the rudiments of music, scales, intervals, and staff notation, including the terms and expression marks in common use.

(b) The ability to analyze the harmony and form of hymn tunes and simple pieces for the piano, involving triads and the dominant seventh and their inversions, passing tones and modulation to related keys.

(c) The ability to harmonize in four vocal parts, melodic fragments involving the use of triads and the dominant seventh chord, and their inversions, in the major keys.

The examination in practical music may be taken in piano, organ, violin or voice.

SCIENCES

BOTANY, BIOLOGY, ZOOLOGY

The requirements are those outlined in Document 93 of the College Entrance Examination Board. The student is required to present note book showing laboratory work completed. (One unit.)

GEOGRAPHY

Essential facts and principles of Physical Geography studied in class room and laboratory. Topics studied should be those outlined in Document 93 of the College Entrance Examination Board. (One unit.)

CHEMISTRY

The study of at least one standard text-book, so planned that the student may acquire a connected and comprehensive view of the most important facts and laws of elementary chemistry. Laboratory work, substantially that outlined in Document 25 of College Entrance Board, recorded in a note book certified by the teacher to be the original work of the student. This note book must be presented upon request. (One unit.)

PHYSICS

Preparation should include:

(a) Study of one of the standard text books in use in secondary schools.

(b) Instruction by lecture table demonstrations of the practical aspects and applications of the fundamental phenomena and laws of physics.

(c) Laboratory work including at least thirty experiments as outlined in Document 93 of College Entrance Board, recorded in a note book certified by the teacher to be the original work of the student. This note book must be presented upon request. (One unit.)

ADMISSION TO ADVANCED STANDING

Students may be admitted to advanced standing without examination if they present credits from other colleges whose entrance requirements and whose courses of study are equivalent to those of Pennsylvania College for Women. All others who desire advanced credit must pass examinations in subjects offered as college work. No student will be admitted to candidacy for the baccalaureate degree after the beginning of the senior year.

CERTIFICATE COURSES

In the Music, Social Service, and Spoken English Departments, courses leading to certificates are offered. These courses are open to students registered for the A. B. degree, and involve for them only the recognition of a major in these subjects, together with further electives in their preferred field, but relieve them of none of their required work. A graduate may not receive more than one certificate in addition to the degree.

Students not candidates for degrees may register for certificates, provided they can meet the requirements for admission to the Freshman class, or have had such training as will warrant their admission to college classes. The College welcomes as students, persons of mature age and earnest purpose.

Further information in regard to certificate courses may be obtained from pages 30, 55 and 63, in this catalogue.

STUDENTS NOT IN REGULAR COURSES

Students may receive instruction without becoming candidates for a degree or certificate, but are permitted to enter only those classes for which their previous training has fitted them. They are required to consult with the Dean concerning their courses.

ART

A well known local artist, Miss Anna Craig, has a studio in the building. Instruction is given in illustrating, painting, sketching and design. All arrangements in regard to lessons should be made with Miss Craig.

GRADUATE WORK

The Degree of Master of Arts is conferred upon those who hold the Bachelor's degree of this College or of some other institution of equal standing, and who have satisfactorily completed one full year of graduate study in residence under the direction of the faculty. Candidates for the degree must complete an amount of work equivalent to fifteen year hours, and must satisfy the faculty that they are entitled to receive graduate credit.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates.

CURRICULUM SCHEDULE

Freshman Year	Sophomore Year	Junior Year	Senior Year
English <i>Course D</i> 3 hours	Bible <i>Course C</i> 3 hours	Psychology 3 hours	
Mathematics <i>Course D</i> 3 hours	Physics or Chemistry 4 hours	Spoken English 1 hour	Elective 15 hours
Language 3 hours	Language 3 hours	Elective *11 hours	
History <i>Course D</i> 3 hours	Elective 5 hours		
Physical Education 1 hour	Physical Education 1 hour		
Elective 3 hours			
16 hours	16 hours	15 hours	15 hours

*A three-hour course in English Literature must be elected in the Sophomore, Junior, or Senior year.

Courses of Instruction

Biblical Literature

DR. LAWSON

C. STUDIES IN OLD TESTAMENT HISTORY AND LITERATURE. Emphasis will be placed upon the organization of the Hebrew nation, the development of political institutions, the religious life, the literature, the influence of other peoples.

Required of Sophomores. Three hours through the year.

1-2. STUDIES IN NEW TESTAMENT HISTORY AND LITERATURE. The training of the Apostles for leadership, the organization of the Church, the development of Christian life and literature during the first century.

Elective; open to Juniors and Seniors. Two hours through the year.

BIOLOGY

DR. GARNER, MISS MCBURNEY

1-2. GENERAL BIOLOGY. Two lectures and one recitation a week, supplemented by one laboratory period. The course has been arranged for those who desire a general knowledge of biology, as well as for those who are preparing for advanced work.

Elective; open to all classes. Three hours, through the year.

CHEMISTRY

DR. GARNER, MISS MCBURNEY

1-2. GENERAL INORGANIC CHEMISTRY. *First Semester*: Study of the fundamental principles and laws. Chemistry of types of non-metals. Correlation of properties of non-metals from standpoint of the Periodic Law. *Second Semester*: Chemistry of metals. Introduction to Qualitative Analysis. Lectures, two hours per week; laboratory, five hours per week.

3-4. GENERAL ANALYTICAL CHEMISTRY. *First Semester*: Qualitative Analysis. Reaction of basic and acidic ions. Study of theories of solution, mass action and chemical equilibrium. Analysis of complex mixtures and ores. *Second Semester*: Volumetric Quantitative Analysis: Acidimetry and alkalimetry; theory of indicators; precipitation and oxidation methods; iodimetry. Lectures, one hour per week; laboratory, seven and one-half hours per week.

5-6. GENERAL ORGANIC CHEMISTRY. *First Semester*: Chemistry of Aliphatic Series. Molecular weight determinations. Distillation and *fractionation* of (a) crude petroleum and refined petroleum products, and (b) coal tar and light oils. Organic preparations. *Second Semester*: Chemistry of Carbocyclic and Heterocyclic compounds. Organic preparations. Lectures, two hours per week; laboratory, six hours per week.

ECONOMICS AND SOCIOLOGY

MISS MELOY

5-6. ECONOMICS. An introduction to principles and to practical economic problems.

Elective; open to Juniors and Seniors, and to special students. Three hours, through the year.

7-8. SOCIOLOGY. Elements of general sociology. Comparison of the views of prominent sociologists. Social organization.

Elective; open to Sophomores and Juniors, and to special students. Two hours, through the year.

9-10. IMMIGRATION. An outline of the history, causes and problems of American immigration, with practical applications.

Elective; open to all students. One hour, through the year.

1-2. SOCIAL SERVICE. Theory and Observation. Theory: History and principles of social movements for the relief of dependency and for welfare; the social treatment of delinquency; the newer forms of preventive and constructive work. Observation: Weekly visits to carefully selected institutions and agencies in and near Pittsburgh. Lectures by prominent social workers.

Elective; open to Freshmen, Sophomores and Juniors, and to special students. Three hours, through the year.

3-4. SOCIAL SERVICE. Theory and Practice. Theory: Causes of poverty and degeneration; methods of professional social work. Field work, one afternoon weekly; investigating and visiting, or the directing of group activities, for a charitable organization or welfare agency. A thesis is required, showing personal experience and knowledge of approved methods.

Prerequisite: Course 1-2. Open only to candidates for the certificate in Social Service. Three hours, through the year.

REQUIREMENTS FOR CERTIFICATE IN SOCIAL SERVICE

The certificate in Social Service is given to special students who complete the Social Service courses with related subjects, together with other required collegiate subjects, or to regular students who are candidates for the degree of A. B.

Special students may satisfy the requirements for the certificate by completing thirty hours of work. The minimum time in which this can be done is two years. Students are advised to give three years, which would afford the opportunity for broader experience in field work and for a greater variety of studies in the college curriculum. Required for the certificate are the following courses: Social Service 1-2, Social Service 3-4, Sociology, Immigration, Psychology, Chemistry or Biology, Economics, a modern language, Freshman Rhetoric (English D) Story, Telling, Plays and Games—26 hours; and 4 hours chosen from the following: History, Bible C, Philosophy, Music (two half-hour lessons weekly), Aesthetic Dancing, private lessons in Spoken English. Substitution for any of these requirements may be made only with the approval of the Dean and the head of the department.

Regular students who begin the study of Social Service early in the college course may take the certificate by electing the subjects in the department of Economics and Sociology, together with Plays and Games and Story Telling. Such

students must provide for the giving of extra time to field work or to the investigation required as a basis for the essay which is part of the work of Social Service 3-4. If desired, this extra time may be given during a summer vacation.

EDUCATION

MISS WINTERS

1-2. HISTORY AND PRINCIPLES OF EDUCATION. The development of educational ideals, institutions and methods, with special reference to modern educational thought and practice.

Elective; open to Juniors and Seniors. Three hours, through the year.

3. THE CHILD IN THE ELEMENTARY SCHOOL. Mental development, through the adolescent period. Application of the results of child-study to the elementary school.

Elective; open to Seniors. Two hours, first semester. Given in alternate years.

4. A STUDY OF THE MODERN HIGH SCHOOL. A practical course in discussion of school activities and consideration of class room methods and management. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. Two hours, second semester. Given in alternate years.

An additional hour, with credit, may be taken.

Courses in methods of teaching are provided in the departments of English, History, Mathematics and Physics.

The diplomas of students who have taken the 200 hours of educational work required by the school code are countersigned by the school authorities. The courses which

may be counted to meet the state requirements are those in "Psychology, ethics, logic, history of education, school-management and methods of teaching."

Graduates of the College receive teachers' certificates for Pennsylvania, under the school code. Arrangements have also been made with the New York State Board of Education whereby graduates receive the College Graduates' Professional Certificates. Similar arrangements have been made with authorities in other states in which graduates have desired to teach.

ENGLISH

DR. DOXSEE, MISS BEBEE

COMPOSITION

D. ENGLISH COMPOSITION. A study of the principles of composition and rhetoric. Their application in short themes and long themes. Text books. Class room discussions. Individual conferences.

Required of Freshmen. Three hours through the year. An additional hour required of students who are failing to carry satisfactorily the work of this course.

5-6. COMPOSITION, ADVANCED. Practice in the different types of expression, oral and written, with the purpose of enabling a student with talent to find her field for specialization.

Elective; open to all but Freshmen. Three hours, through the year.

7-8. COMPOSITION, SPECIALIZED. Intensive work in any one of the following courses: (a) Newspaper and Magazine Writing; (b) Drama and the Photo-Play; (c) Short-Story; (d) Versification.

Elective. Prerequisite: Proof of marked ability. Three hours, through the year.

21-22. PRINCIPLES OF ARGUMENTATION AND DEBATE.

Elective; Two hours, through the year.

LITERATURE AND LANGUAGE

1-2. INTRODUCTION TO ENGLISH LITERATURE. Readings and lectures on the history of the literature, with class-room discussion of representative works illustrative of different varieties and periods of English Literature.

Elective; primarily for Freshmen; open to Sophomores. Three hours, through the year.

3. INTRODUCTION TO AMERICAN LITERATURE. A general survey of American Literature from Colonial times to the present day. Assigned readings, lectures, discussions, and reports.

Elective; three hours, first semester. Offered in alternate years.

4. NINETEENTH CENTURY PROSE. Studies in the work of Carlyle, Ruskin and Arnold. Lectures, readings, and reports.

Elective; three hours, second semester. Offered in alternate years.

9-10. NINETEENTH CENTURY POETRY. A study of the art and thought of the chief British Poets of the Nineteenth Century. Class discussions, lectures, and reports.

Elective; three hours, through the year. Offered in alternate years. Omitted in 1921-22.

11-12. THE HISTORY OF THE ENGLISH DRAMA. A survey of the development of the drama from its origin to the

present day. The Elizabethan drama and contemporary tendencies are emphasized. Extensive readings, lectures, and reports.

Elective for students who have completed course 1-2 or 3-4. Three hours, through the year. Omitted in 1921-22.

13-14. THE NOVEL. Studies in the development of English fiction. Assigned readings, lectures, discussions, and reports.

Elective for those who have completed course 1-2 or 3-4. Three hours, through the year. Offered in alternate years.

15-16. ANGLO-SAXON. An elementary course, accompanied by a brief course in the history of the English language. The second semester is devoted largely to the reading of Beowulf. Lectures, readings, and reports on Anglo-Saxon civilization.

Elective for those who have completed course 1-2. Three hours, through the year. Offered in alternate years.

17-18. THE AGE OF CHAUCER. A survey of the writers preceding Chaucer, as represented in Cook's Literary Middle English Reader. A study of fourteenth century literature and the social life described in Chaucer's Canterbury Tales, Piers the Plowman, and the metrical romances. Lectures, class discussions, assigned readings.

Elective for those who have completed course 15-16. Three hours, through the year. Omitted in 1921-22.

19. LITERARY CRITICISM. Discussion of the principles and methods of literary criticism with some consideration of the history of critical literature.

Elective with the permission of the instructor for Seniors who have shown special aptitude for literary studies. Three hours, first semester.

20. THE TEACHING OF ENGLISH IN SECONDARY SCHOOLS. A practical course in methods of presentation of subject matter. Opportunity will be given for observation in selected high schools.

Elective; open to Seniors. One hour, second semester.

FRENCH

MISS ELY, MME. DE LA NEUVILLE, MISS ROSENBERGER

1-2. ELEMENTARY COURSE. Grammar, reading, prose composition, phonetic training, conversation.

Elective; open to Freshmen and Sophomores who have had no French, or one year of high school French. Three hours, through the year.

3-4. INTERMEDIATE COURSE. Reading of representative short story writers and historians. Résumés of stories read. Advanced grammar, composition, and conversation.

Elective; open to students who have presented two units in French or have taken Course 1-2. Three hours, through the year.

5-6. LITERATURE OF THE 17TH AND 18TH CENTURIES. Critical study of Racine, Corneille, Molière, Madam de Sévigné, Voltaire, Rousseau, etc. Résumés and composition.

Elective. Prerequisite: Course 3-4. Three hours, through the year.

11-12. HISTORY OF FRENCH LITERATURE. Conducted in English. Valuable for students preparing for library or similar work.

Elective. Two hours, through the year.

15-16. PROSE COMPOSITION AND DICTATION AS A BASIS OF CONVERSATION. Thorough study of syntax, idioms and synonyms.

Elective. Recommended for those who wish to teach.
One hour, through the year.

17-18. LITERATURE OF THE 19TH CENTURY. A critical study of Dumas père, Dumas fils, Victor Hugo, de Musset, George Sand. Résumés and composition based upon works read.

Elective. Prerequisite: Course 5-6. Three hours, through the year.

19-20. CONVERSATIONAL COURSE BASED ON EVERY-DAY LIFE AND TRAVEL. Supplementary reading of French magazines and newspapers required.

Elective. One hour, through the year.

21-22. LITERATURE OF THE 19TH AND 20TH CENTURIES. A critical study of Balzac and rapid reading of current literature and drama. Essays in French. The presentation of one or more plays.

Elective. Prerequisite: Course 5-6, or its equivalent.
Three hours, through the year.

GERMAN

1-2. **ELEMENTARY COURSE.** Grammar, prose composition, reading of short stories and plays by modern writers, memorizing of poetry, conversation.

Elective; open to students who do not present German at entrance. Three hours, through the year.

3-4. **INTERMEDIATE COURSE.** Reading of modern prose, and of the simpler classical dramas; grammar, prose composition, conversation.

Elective; open to students who present two units of German, or who have taken Course 1-2. Three hours, through the year.

5-6. **CLASSICS.** Reading from the dramas and poems of Goethe, Schiller and Lessing. Lectures in the German language upon the classical period. Essays and oral reports upon assigned topics.

Elective; open to students who present three units of German, or who have taken Course 3-4. Three hours, through the year.

7-8. **ADVANCED COMPOSITION AND SYNTAX.** Selected passages from English authors translated into idiomatic German. Original themes upon assigned topics. Study of idioms, synonyms, etymology and syntax.

Elective. Prerequisite: Course 5-6, or its equivalent. Especially recommended to those who expect to teach German. One hour, through the year.

9-10. OUTLINE HISTORY OF GERMAN LITERATURE. A rapid survey of the principal movements and productions of the national literature, supplemented by assigned readings. This course is intended to serve as an introduction to the detailed study of selected periods and is recommended to all students desiring to specialize in German.

Elective. Prerequisite: Course 5-6, or its equivalent.
One hour, through the year.

11-12. LITERATURE OF THE NINETEENTH CENTURY. Reading and discussion of representative works of well known authors. Lectures. Essays.

(a) The drama. One hour, through the year.

(b) The novel. Two hours, through the year.

Elective. Prerequisite: Course 5-6.

GREEK

MISS GREEN

1-2. ELEMENTARY COURSE. Grammar, prose composition. Xenophon, *Anabasis*.

Elective; open to all students. Three hours, through the year.

3-4. XENOPHON, ANABASIS (continued), with prose composition. Selections from Homer's *Iliad* and *Odyssey*. The purpose of this course is the completion of college entrance requirements in Greek; and the appreciation of the

Homeric Epics by use of the text and translations, supplemented by lectures and assigned readings upon such topics as Pre-Homeric Life, The Homeric Question, Ancient Troy.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

5-6. PLATO, APOLOGY AND CRITO. Attic Orators, selections. Euripides, *Alcestis*, or *Medea*. Prose composition based upon the prose authors studied.

Elective; open to Freshmen entering with three units of Greek and to students who have completed Course 3-4. Three hours, through the year.

7-8. THE DRAMA. A study of the old Greek drama as represented by plays of Aeschylus, Sophocles, Euripides, and Aristophanes, with lectures tracing its origin, development and decline.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

9-10. HISTORY. Selections from Herodotus and Thucydides. Lectures and assigned topics.

Elective. Prerequisite: Course 5-6. Three hours, through the year. Given in alternate years.

11-12. PROSE COMPOSITION.

Elective. Prerequisite: Course 5-6. One hour, through the year.

13-14. HISTORY OF GREEK LITERATURE. The purpose of this course is to present the subject not only to students of the language, but also to other advanced students of general literature. A knowledge of the Greek language is therefore not required.

Elective; open to advanced students. One hour, through the year.

HISTORY AND POLITICAL SCIENCE

DR. WHITE, MISS MOREY, MISS CRAIG

D. INTRODUCTORY COURSE. A study of the rise of the nations, and of such topics as feudalism, the crusades, the growth of towns, and the struggles between church and state, from the period of the barbarian invasions through the fifteenth century.

Required of Freshmen. Three hours, through the year.

1-2. MODERN EUROPEAN HISTORY, 1500-1815. Emphasis is placed upon the Renaissance movement, the Protestant Reformation, the Revolutionary and Napoleonic periods in France.

Elective. Prerequisite: Course D. Three hours, through the year.

3-4. INTERNATIONAL RELATIONS. This course begins with the reorganization of Europe after the fall of Napoleon, and continues through the period of the Great War.

Elective. Prerequisite: Course 1-2 or Course 5-6. Three hours, through the year.

5-6. HISTORY OF THE UNITED STATES. The main facts of the history of the United States as a nation. Emphasis will be laid upon social and economic factors and upon international relations, as well as upon the purely political development.

Elective. Prerequisite: Course D. Three hours, through the year.

7-8. CONTEMPORARY HISTORY. A study of periodical literature with a view to understanding present movements and questions.

Elective. One hour, through the year.

12. TEACHING OF HISTORY. A practical course in methods of presentation and arrangement of historical material. Special attention will be paid to the courses in History prescribed in Pennsylvania Schools. Opportunity will be given for observation in selected schools.

Elective; open to Seniors and to Juniors majoring in History. One hour, second semester.

13-14. HISTORY AND APPRECIATION OF ART. Outline of the development of architecture, sculpture and painting. Lectures, readings, study of photographs, visits to Carnegie Institute.

Elective. Two hours, through the year.

15-16. ELEMENTARY POLITICAL SCIENCE. Theories of the origin and development of government. Government in the United States, federal, state, and local; and a comparison with the government of European states.

Elective. Open to Seniors and Juniors. Three hours, through the year.

ITALIAN

MISS ROSENBERGER

1-2. ELEMENTARY COURSE. Grammar, prose composition. Reading of short stories and plays by modern authors. Memorizing of poetry. Conversation.

Elective. Three hours, through the year.

3-4. ADVANCED COURSE. Reading of modern prose and of simple classical dramas. Grammar, prose composition. Conversation.

Elective. Prerequisite: Course 1-2. Three hours, through the year.

LATIN

MISS GREEN

1-2. CICERO, DE SENECTUTE, OR DE AMICITIA; LIVY, selections from Books I, XXI, XXII; Horace, *Odes and Epodes*.

Elective; open to students who present four units of Latin. Three hours, through the year.

3. PLAUTUS AND TERENCE. Selected plays. The development of Roman comedy.

Elective. Prerequisite: Course 1-2. Three hours, first semester.

4. HORACE, SATIRES AND EPISTLES.

Elective. Prerequisite: Course 1-2. Three hours, second semester.

5-6. STUDIES IN PLINY, JUVENAL, TACITUS. Roman society under the early empire.

Elective; open to Juniors and Seniors. Three hours through the year. Given in alternate years.

7. LYRIC AND ELEGIAC POETRY. Selections from Catullus, Tibullus, Propertius, Ovid.

Elective; open to Juniors and Seniors. Three hours, first semester. Given in alternate years.

8. LUCRETIUS, DE RERUM NATURA; CICERO, DE NATURA DEORUM. An introduction to the study of Roman philosophy.

Elective; open to Juniors and Seniors. Three hours, second semester. Given in alternate years.

9-10. PROSE COMPOSITION.

Elective; open to Juniors and Seniors. One hour, through the year.

11. THE TOPOGRAPHY AND MONUMENTS OF ROME.

Elective; open to all students. Two hours, first semester.

12. PRIVATE LIFE OF THE ROMANS.

Elective; open to all students. Two hours, second semester.

13-14. CICERO, SELECTIONS; OR, VIRGIL AND OVID, SELECTIONS.

Elective; open to students who present two or three years of Latin or who have completed Course 15-16. Three hours, through the year; four hours required of students inadequately prepared.

15-16. ELEMENTARY LATIN. Grammar, Caesar, Nepos. This course offered without credit to satisfy Latin entrance requirements in the case of students who have not elected Latin in preparatory schools.

Four hours, through the year.

MATHEMATICS

MISS BENNETT

D-1. SOLID AND SPHERICAL GEOMETRY. Required of Freshmen not offering Solid Geometry for entrance.

Three hours, first semester.

D-2. PLANE AND SPHERICAL TRIGONOMETRY.

Required of Freshmen. Three hours, second semester.

1. HIGHER ALGEBRA. Permutations and combinations. Complex numbers. Determinants. Binomial theorem, with

proof. Partial fractions. Theory of equations, with graphical methods, including Descartes' rule of signs and Horner's method.

Open to Sophomores and required of Freshman offering Solid Geometry for entrance. Students intending to pursue courses in higher mathematics are recommended to elect this course. Three hours, first semester.

3. PLANE ANALYTIC GEOMETRY.

Elective. Three hours, one semester.

4. SOLID ANALYTIC GEOMETRY.

Elective. Prerequisite: Course 3. Three hours, one semester.

5. DIFFERENTIAL CALCULUS.

Elective. Prerequisite: Courses 3 and 4. Three hours, one semester.

6. INTEGRAL CALCULUS.

Elective. Prerequisite: Course 5. Three hours, one semester.

7. HISTORY OF MATHEMATICS.

Elective. Two hours, one semester.

8. THE TEACHING OF ELEMENTARY MATHEMATICS.

This course is intended for those who wish to teach mathematics in high schools. Instruction is given in the explanation of mathematical processes to elementary classes.

Opportunity is afforded to observe teaching in the city high schools.

Elective. One hour, second semester.

10. ASTRONOMY. A general study of the phenomena of the sky. The solar and stellar systems. Location of principal constellations.

Elective. Three hours, second semester.

MUSIC

MISS MAE B. MACKENZIE, *Director*

MISS CATHERINE J. WILLIAMS

MRS. MABEL DAVIS ROCKWELL

MRS. ELEANOR SPINDLER EGLI

MISS FLORENCE M. FARR

THEORETICAL COURSES

1-2. **ELEMENTARY THEORY AND HARMONY.** The elements of notation, keys, scales, intervals, chords and rhythm. The study of chords, their construction, relation and progression; the writing of chord schemes; the harmonization of simple figured and unfigured basses and of melodies, employing diatonic harmonies, non-harmonic tones, dominant and secondary sevenths and simple modulation. Particular stress is laid on ear training.

Elective; two hours, through the year.

3-4. **HARMONY.** The harmonization of figured and of unfigured basses and of melodies, employing non-harmonic tones, chords of the ninth, diatonic and simple chromatic harmonies, modulation.

Elective. Prerequisite: Course 1-2. Two hours, through the year.

5. (a) **ANALYSIS.** The study of the structure of music both harmonic and formal. Designed for the student who wishes to pursue the study of the theoretical rather than the creative side of music.

Elective; two hours, through the first semester.

(b) **ADVANCED HARMONY.** The study of free diatonic and chromatic harmony and the application of those principles to self expression in elementary composition.

Elective. Two hours, through the first semester.

6. **COUNTERPOINT.** The study of the different species of Counterpoint. Exercises in sheet writing in two to four part form; some free imitative writing.

Elective. Prerequisite: Course 5 A or B. Two hours, second semester.

7-8. **ADVANCED COUNTERPOINT.** The study of the principles of contrapuntal writing continued. Exercises in combined counterpoint in four parts. The application of contrapuntal methods to free writing.

Elective. Prerequisite: Course 5-6. Two hours, through the year.

9-10. **MODERN COMPOSITION.** Discussions of the new forms of modern music. The harmony of the French and Russian schools. Orchestration. The nature, compass, tone color and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by the various composers.

Elective. Prerequisite: Course 5-6. One hour, through the year.

11-12. **THE HISTORY AND APPRECIATION OF MUSIC.** This course, dealing with the development of music from Palestrina to the death of Beethoven and from Schubert to the present day, is designed to give a general view of classical,

romantic and modern music and to stimulate the appreciation of musical art. It is suited to the needs of those who desire an understanding of music as a part of liberal culture. It is copiously illustrated with music and includes the analysis of important orchestral works announced for local performances. No previous knowledge of music is required.

Open to all students. Two hours, through the year.

All theoretical courses are counted toward the Baccalaureate degree.

PRACTICAL COURSES

Individual lessons are given in Piano, Organ, Violin and other orchestral instruments, and Voice.

Practical work in Music may be counted toward the Baccalaureate degree, if it is sufficiently advanced in character.

All practical work carrying college credit must be accompanied by theoretical work, and not more than two hours of practical work each year may be so counted.

Two lessons a week with not less than six hours of practice a week count as *two hours*.

One lesson a week with not less than six hours practice a week counts as *one hour*.

Lessons are 30 minutes in length.

The practical courses are subject to fees as stated on pages 75 and 76 of the Catalogue.

PIANO

MISS MACKENZIE, MISS WILLIAMS, MISS FARR

1-2. Technique, a study of scales, arpeggios, chords and octaves. Studies of the grade of Czerny opus 299; Bach Two-Part Inventions; Mozart Sonatas. Selected compositions within the grade and suited to the needs of the student. Special emphasis laid on accurate memorizing.

3-4. Further development of the technique by addition of more complicated exercises and rhythms. Studies of the grade of Cramer-Bulow; the easier sonatas of Beethoven. Classic and modern compositions giving various styles and rhythms.

Prerequisite: Course 1-2 or its equivalent.

5-6. Continued development of a fluent and versatile technique and reliable memory. Studies of the grade of Czerny opus 740; Clementi-Tausig Gradus ad Parnassum; Bâch Suites; Beethoven Sonatas. Works of classic, romantic and modern composers.

Prerequisite: Course 3-4 or its equivalent.

7-8. Advanced technical development. Studies by Chopin; Bach Preludes and Fugues; more difficult Sonatas of Beethoven. Selection of compositions suitable for recital. Chopin, Liszt, Schumann, Brahms. Debussy, Rachmaninoff. The study of some standard concerto such as Mendelssohn, Schumann or Saint Saens.

Prerequisite: Course 5-6 or its equivalent.

9-10. Advanced work for graduates or undergraduates who have completed Course 7-8.

SINGING

MRS. ROCKWELL

1-2. ELEMENTARY COURSE. Control of the breath. Development of resonance and beauty of tone in relation to vowel sounds. Studies in the formation of consonants. Ear training; intonation and rhythm. Simple exercises and songs.

3-4. INTERMEDIATE COURSE. Florid exercises; scales, roulades, trills and other embellishments. Special work in articulation, phrasing, freedom of tone and of facial expression. Advanced vocalises and songs.

5-6. ADVANCED COURSE. Development of style. Interpretation; analysis of thought in song poems. The treatment of different schools of composition. The preparation of recital programs. Special studies; Church, Oratorio, Concert, Opera.

7-8. NORMAL COURSE. Résumé of Elementary, Intermediate and Advanced Courses. Studies in the causes and treatment of the tremolo (in its different phases), nasality, faulty intonation, etc. Methods in teaching, with opportunity for observation.

9-10. GRADUATE COURSE. Advanced studies in tone production and technique. Preparation of a repertoire of songs and arias of various countries, styles and periods. Coaching for professional work; comparison of methods; history of vocal art.

ORGAN

MISS WILLIAMS

1-2. Manual and pedal technique. Pieces involving the fundamental principles of registration.

For students who have taken Piano 1-2 or its equivalent.

3-4. Mendelssohn's organ works; smaller Preludes and Fugues of Bach; easier works of the modern composers; church service playing.

5-6. Merkel and Rheinberger sonatas; larger works of Bach.

7-8. Continued study of the larger works of Bach; advanced works of the modern French, English and American schools.

VIOLIN

MRS. EGLI

1-2. DEVELOPMENT OF FINGER AND BOW TECHNIQUE. Studies of Sevcik, Sitt, Mazas. Assimilation of the spirit of the various schools of composition, classic and modern. Concertinos, sonatas, salon pieces.

3-4. STUDIES OF SEVCIK, DONT, BROSKA, SITT. Exercises in double stopping, scales, arpeggios, trills, tone production, advanced bowing. Concertos of Viotte, Rode, de Beriot, Kreutzer, David. Various styles of concert pieces.

5-6. ADVANCED STUDIES OF SEVCIK, KREUTZER, FIORILLO. Concertos of Spohr, Mozart, Bach, Godard. Selected works of Vieuxtemps, Hubay. Study of Chamber Music.

7-8. ADVANCED TECHNIQUE. Studies of Rode, artistic études, Mazas, Gaviniès. Sonatas of Beethoven, Grieg, Brahms. Concertos of Spohr, Bruch, Mendelssohn.

REQUIREMENTS FOR CERTIFICATE IN MUSIC

(a) Candidates for the B. A. degree who wish also the certificate of the Department of Music are required to take practical music, two lessons a week throughout the four years. They must also complete courses 1-2, 3-4, 5-6 and 11-12 in theoretical music; but not more than 12 hours from the music department may be credited toward the 62 hours required for the B. A. degree.

(b) Students not candidates for the B. A. degree who wish the Certificate of the Department of Music are required to take practical music—two lessons a week with not less than 12 hours practice a week. They must complete courses 1-2, 3-4, 5-6 and 7-8 in practical music and courses 1-2, 3-4, 5-6, 11-12 in theoretical music.

They must take from 6 to 8 hours per week of academic work as may be decided in consultation with the Dean.

The time occupied in study for the certificate depends upon the ability of the student, her proficiency at the time of entrance and her subsequent diligence; in general three years are necessary.

PHYSICAL EDUCATION

MISS GIFFORD

NOTE:—Courses 1-2, 3-4 and 11-12 are required for graduation and receive two hours credit.

1-2. GYMNASTICS. Marching; free-hand work; light apparatus work, including wands, Indian clubs and dumb bells; games. Games on the athletic field in the spring and fall.

Required of Freshmen. Two hours, through the year.

3-4. ADVANCED GYMNASTICS. A continuation of Course 1-2, with advanced work.

Required of Sophomores. Two hours, through the year.

5-6. AESTHETIC DANCING. Dancing technique. Simple aesthetic dancing. Folk dances.

Elective; open to all classes. One hour, through the year. Credit given only for certificates in Social Service, Music and Expression.

7-8. ADVANCED AESTHETIC DANCING. A continuation of course 5-6. A study of the interpretation of music through dancing. Original work required. Course will be given if elected by twelve students.

Elective. Prerequisite: Course 5-6. One hour, through the year. Credit given only to certificate students.

9-10. **PLAYS AND GAMES.** A study of the games and folk dances used in social service and playground work. The practical side of the work is emphasized.

Elective; open to all students. One hour, through the year. Credit given only to certificate students.

11-12. **PHYSIOLOGY AND HYGIENE.**

Elective. One hour, through the year. Required of Freshmen.

NOTE: Regulation suit—black bloomers, white blouse and gymnasium shoes. Dancing skirt and ballet slippers requested for courses 5-6, 7-8. Students are advised to bring hockey sticks, tennis rackets, etc., for outdoor work in fall and spring.

PHYSICS

DR. GARNER, MISS ERRETT

1-2. **GENERAL EXPERIMENTAL PHYSICS.** Mechanics, sound, heat, light, electricity and magnetism. Illustrated lectures, recitations and problems.

Elective; open to students who have not presented Physics at entrance. Recitations, two hours; laboratory, five hours, through the year. An additional hour is required for students intending to enter professional schools.

This course, or Course 1-2 in Chemistry, required of students in the freshman or sophomore year.

12. GENERAL COURSE. Similar to 1-2, but somewhat more advanced.

Elective; open to students who have offered Physics at entrance. Three hours, first semester.

This course, with Course 7, may be substituted for the required sophomore science.

5. LIGHT.

Elective. Prerequisite: Course 1-2 or 12. Three hours, first semester. Three-hour laboratory period. This course alternates with Course 7.

6. HEAT.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, second semester; alternate years.

7. ELECTRICITY AND MAGNETISM.

Elective. Prerequisite: Courses 1-2 or 12. Three hours, one semester. Three-hour laboratory period. This course alternates with Course 5.

9-10. TEACHING OF PHYSICS. A course planned for those expecting to teach Science.

Elective. Prerequisite: Course 1-2. One hour, through the year. An additional hour, with credit, may be taken.

PHILOSOPHY AND PSYCHOLOGY

DR. LAWSON, MISS WINTERS

PHILOSOPHY

5. ETHICS. The history of ethical philosophy, and a study of the fundamental principles of morality.

Elective; open to Sophomores, Juniors and Seniors.
Three hours, first semester.

6. LOGIC. Lectures, recitations, practical exercises.

Elective; open to Sophomores, Juniors and Seniors.
Three hours, second semester.

7. INTRODUCTION TO PHILOSOPHY. A brief survey of the scope and the problems of philosophy, with a general outline of its history. Lectures, discussions, collateral readings.

Elective; open to Juniors and Seniors. Three hours,
first semester.

8. CONTEMPORARY PHILOSOPHY.

Elective; open to Juniors and Seniors. Three hours,
second semester.

PSYCHOLOGY

B. GENERAL PSYCHOLOGY. The facts and laws of mental life. An introductory course. Laboratory method.

Required of Juniors. Three hours, through the year.

3-4. ADVANCED PSYCHOLOGY. Experimental. The intensive study of learning, memory, association, etc. Ap-

plication of the principles of psychology to the problem of Education; laboratory work supplemented by lectures and discussions.

Elective. Prerequisite: Course B. Three hours, through the year.

9. GENETIC PSYCHOLOGY. Includes a study of mental development in lower animals and a psychological study of the child from birth to adolescence.

Elective. Prerequisite: Course B. Open to Seniors. Two hours, first semester. Given in alternate years.

10. SOCIAL PSYCHOLOGY. A study of the social consciousness, the phenomena of imitation and suggestion, the development of language, religion and art as means of social expression.

Elective. Prerequisite: Course B. Two hours, second semester.

SPANISH

MME. DE LA NEUVILLE

1-2. ELEMENTARY COURSE. Thorough study of phonetics, grammar and elementary syntax. Conversation, reading of modern novelists.

Elective; three hours, through the year.

3-4. ADVANCED SYNTAX. Short Essays. Critical study of the Spanish literature of the 18th and 19th centuries.

This course will be conducted in Spanish as far as feasible.

Elective; three hours, through the year.

5-6. **ADVANCED COMPOSITION.** General study of the literature of the 16th and 17th centuries. Cervantes, Selections from *Don Quixote*; *Lope de Vega*; Alarcon; Calderon, *de la Barca*.

In all these courses Castilian Spanish will be emphasized. Attention will be given to the different phonetics of South American Spanish.

SPOKEN ENGLISH

MISS KERST

1-2. **FUNDAMENTAL PRINCIPLES OF VOCAL EXPRESSION.** Training of the voice for speaking; analysis and presentation of selections.

One laboratory appointment each semester.

Elective; open to Freshmen and Sophomores, and required of Juniors who have not taken Spoken English. One hour, through the year.

3-4. **INTERPRETATIVE READING.** Shakespeare, Browning, Tennyson.

One laboratory appointment each semester.

Elective; open to Sophomores and Juniors. Prerequisite: Course 1-2. One hour, through the year.

5-6. PRACTICAL PUBLIC SPEAKING. The study of the clear, orderly and sound presentation of argument; the study of delivery; voice training and platform manner; practice in debate; extemporaneous speaking.

Elective; open to all students other than Freshmen.

Two or three hours, through the year.

7-8. DRAMA. Practice in dramatic construction and production. Presentation of one drama.

Elective; open to Seniors. One hour, through the year.

9-10. DRAMATIC APPRECIATION. A study of the history of dramatic art and the theory of dramatic construction. Analysis of plays from different periods.

Elective; open to all students other than Freshmen.

Two hours, through the year.

11-12. STORY TELLING. The story as related to child psychology; the origin of story telling; classifying, grouping, adapting, dramatizing and writing of stories. Students will be required to tell stories before the class and outside of College, in school, settlement, clubs, etc.

Elective. One hour, through the year.

Students' recitals are occasionally given.

Private work in this department may be arranged by consultation with the Head of the Department.

REQUIREMENTS FOR CERTIFICATE IN SPOKEN ENGLISH

(a) Candidates for the B. A. degree who wish also the certificate of the Department of Spoken English are required to take two private lessons a week throughout the four years. This requirement may be met in three years in case of students of unusual ability or of sufficient preliminary training. They must complete all courses offered in the Spoken English Department; also courses 5-6 and 9-10 in Physical Training.

(b) Students not candidates for the B. A. degree who wish the certificate of the Department of Spoken English are required to take:

(1) Seven hours of work a year in the department of English and Spoken English for three years, including all the courses offered by the latter department and two private lessons a week.

(2) Eight hours of college work a year for three years, which must include one year each of History, Psychology, Education, a modern language, History of Art; and also Physical Training, courses 5-6 and 9-10.

(3) The presentation of one public program the second year and two the third, including the final program at graduation.

Lecturers

Dr. Walter Libby.....	The Psychology of Shakespeare
Mr. Arthur Calhoun.....	The Cooperative Movement
Dr. John C. Acheson.....	Psychic Phenomena Appalachian America
Mlle. Marguerite Clement.....	Great Men of France
Dr. W. W. Charters.....	School of Salesmanship
Miss Mary E. Baker.....	Library Work for the College Graduate
Dr. I. Coan.....	Persia
Dr. John Nelson Mills.....	Foreigners in America from the Viewpoint of a Traveler
Miss Helen Bennett.....	Vocational Guidance (3 Lectures)
Mr. John W. Meloy.....	India
Dr. Charles F. Wishart.....	Baccalaureate Sermon
Dr. Frank P. Graves.....	Commencement Address
Dr. Henry Sloane Coffin.....	The Spiritual Character
Miss Sara N. Soffel.....	Citizenship (6 lectures)
Dr. Carl W. Doxsee.....	One of the Newest Realists
Miss Luella P. Meloy.....	The Profession of Social Work
Mr. Wm. W. Ellsworth.....	Forty Years of Publishing
Baron S. A. Korff.....	The Russian Situation
Dr. Sam'l H. Goldenson.....	What is Justice?
Miss Nan Dorsey.....	Public Health Nursing

Fiftieth Anniversary and Founder's Day Speakers

Miss Cora Helen Coolidge	Dr. William A. Nielson
Dr. Mary Emma Woolley	Dr. William J. Holland
Miss Lillian D. Wald	Mr. Oliver McClintock
Dr. John C. Acheson	

Vesper Speakers

Dr. Frederick T. Galpin	Rev. Frank Svacha
Dr. E. J. Bailey	Dr. George M. Montgomery
Dr. John Allison	Dr. George B. Lawson
Dr. J. Kinsey Smith	Dr. John C. Acheson
Mr. Thos. S. McAloney	Dr. Hugh T. Kerr
Mr. H. M. Moore	Rev. S. W. McKelvey
Dean Florence Root	Rev. David Lang
Dr. Lucius Bugbee	Mr. W. H. Millar
Miss Anna B. Jones	Rev. R. N. Jessup
Miss Laura W. Holland	

Regulations in Regard to Academic Matters

Requirements for Graduation: The degree of Bachelor of Arts is given to students who have satisfactorily completed courses amounting in all to sixty-two hours of college work.

The unit of time used in measuring the value of work is a year hour; that is, one full hour of class work weekly during the college year. The requirement for each year of the college course is fifteen hours weekly. Students may carry extra work only by permission of the Scholarship Committee.

The total requirement for the Bachelor's degree is as follows:

English	6 hours
Mathematics	3 hours
History	3 hours
Science	3 hours
Philosophy	3 hours
Biblical Literature	3 hours
Language (other than English).....	6 hours
Spoken English	1 hour
Physical Education	2 hours
Elective work	32 hours

Elective Work: Each student is required to elect at least eight hours of work in one department and six hours in an allied department. Students should consult the

Dean in regard to such elections before the beginning of Junior year.

Attendance: Every student is expected to attend all of her scheduled college exercises and may expect that the grade of her work will be affected by regularity. Absences at the beginning or end of vacations must be made up by an-examination, accompanied by a fee of \$2.00 in each subject in which a recitation has been missed. Such examinations are to be taken within two weeks. Failure to comply with this regulation requires the student to drop the regular work of the course until the test has been taken. Exceptions may be made by the Scholarship Committee in the case of a student who presents a written explanation from parent or guardian showing illness of student or in the immediate family, or other emergency.

Opportunities are offered for attendance upon lectures given in the city which are connected in subject with courses offered by the College. Upon notification by instructors, students will be expected to attend such lectures, and may have them counted as part of the required work of the courses to which they are allied.

Examinations: Examinations are given in all subjects at the end of each semester. Students failing to present themselves for examination in any course and those taking tests to remove conditions (except entrance conditions) may secure examination by permission of the Dean and upon payment of a fee of \$2.00. Examinations assigned during the semester at the discretion of instructors, are under the same regulations as others. In case of illness the fee may be remitted by the Dean. If several examinations are taken under one permit in case of illness, a fee of \$3.00 covers the list.

Conditions: All entrance conditions are to be removed before a student is allowed to begin the work of the Sophomore year, unless extension of time is granted by the Scholarship Committee.

A student whose work in any course is unsatisfactory will be conditioned in this subject at the end of the semester. This condition must be removed by prescribed work and re-examination, or by the repetition of the course when next regularly given.

Any required work unavoidably omitted or not completed at the time when it is regularly scheduled must be taken the next year.

A student who is deficient in more than three hours of the required number of hours loses class standing and becomes unclassified until such time as these conditions shall be removed.

A student who is carrying the required number of hours but is deficient in more than three hours of the required subjects is also unclassified.

Special Students: Special students are subject to the same requirements as other students as to attendance, examinations, standing in classes and general regulations.

Reports and Grades: Letters are used to designate academic standing. A represents 90-100; B, 80-90; C, 70-80; D, 60-70; E, failure.

For graduation a student must have to her credit a grade C or above in thirty year hours out of the total of sixty-two hours required.

Reports will be sent to parents or guardians at the close of each semester during the Freshman and Sophomore years. Juniors and Seniors may receive their grades from the Dean on request.

General Information

SITUATION

The College, located in the East End of Pittsburgh, combines accessibility with seclusion to an unusual degree. The beautiful campus, bordering on Woodland Road, provides a natural amphitheatre which is employed with fine effect for the presentation of plays and pageants, and also an athletic field where space is found for tennis, basketball, and other outdoor sports.

Hamilton Avenue or Highland Park electric cars running out Fifth Avenue from the down-town district pass very near the campus entrances on Murray Hill Avenue and on Woodland Road. Persons entering the city by the Pennsylvania Lines should check their baggage to the East Liberty Station. Taxicabs may be taken from this station to the college.

BUILDINGS

Berry Hall is four stories in height. Its lower floors are employed chiefly for administrative purposes, but contain also the libraries and drawing rooms. For the convenience of day students especially, each class has been assigned a comfortably furnished room, known as a "Den."

Dilworth Hall is devoted to academic uses. In it are the assembly hall, lecture rooms and laboratories.

Music Hall contains studios and practice rooms.

The Gymnasium occupies the lower floor of Music Hall.

Woodland Hall, a residence house, is a four-story fire-proof building with accommodations for fifty students. It is constructed after the most approved plans for college dormitories and affords an attractive home.

LIBRARY

The College Library is housed in Berry Hall and students have free access to its shelves. The collection is classified according to the Dewey system, and is provided with a card catalogue. The departmental collections are enlarged from time to time by gifts from the alumnae and friends, or by the appropriation of funds. Notable among the recent gifts is that of the classical library of the late William S. Pelletreau, by his niece, Mrs. John Biddle Clark. A Library Endowment Fund was started in 1909 by Mrs. Agnes Pitcairn Decker, an alumna of the college, as a memorial to Mrs. Florence I. Holmes Davis, of the Class of 1875; as this fund increases, its interest becomes available for the purchase of important books.

The College reading room is supplied with daily and weekly newspapers, standard monthly magazines, quarterly reviews and departmental journals.

The nearness of the Carnegie Institute is a decided advantage to the College. The Institute maintains a library containing 479,068 volumes, museums, and art galleries with valuable permanent collections of paintings, architecture and sculpture. It holds exhibits of the work of

both European and American artists, and in its halls are to be heard, from time to time, concerts and lectures of high standard.

RESIDENCE

It is the plan of the College to make dormitory life as homelike as possible. Every opportunity is given for pleasant intercourse among students and between faculty and students. Berry Hall and Woodland Hall have their own dining rooms and living rooms, and are presided over by experienced house directors.

The daily life of the residence halls is regulated by student government, through the house president and executive committee, who are elected by the students, subject to the approval of the Dean.

Health is considered of the highest importance. Physical examinations are required of each resident student upon entrance, and during the year at the discretion of the Director of the Physical Training Department. A trained nurse lives in the College and has charge of all cases of illness, except a protracted or serious case demanding a private nurse. The infirmary in Woodland Hall is well equipped for the care and comfort of the sick.

The department of Physical Training in its required and elective courses offers opportunity for intelligent exercise and right physical development. All resident students are required to take daily outdoor exercise.

EXPENSES

The charges given below are effective for all resident students in attendance during the academic year 1921-1922.

The charge for tuition for all regular students and those carrying eight hours or more, whether living in the college buildings or not, is \$175.00 a year. Tuition is payable in advance and is not subject to return or deduction.

The charge for tuition for certificate students in Social Service is \$175.00. The charge for tuition for certificate students in Music and Spoken English is \$100.00 a year, in addition to special fees for private lessons in each of these departments.

The charge for board and room to students living in halls of residence is \$425.00—this amount to be paid as follows:

September (at opening of College)	\$225.00
February (at beginning of second semester)	200.00

FIXED TIMES AND AMOUNTS OF PAYMENTS FOR TUITION

Candidates for A. B. degree and Social Service Certificate:

September (at opening of College)	\$100.00
February (at beginning of second semester)	75.00

Candidates for certificates in Music and Spoken English:

September (at opening of College)	\$100.00
---	----------

Students who are permitted to take seven hours or less of class room work a week, pay tuition for the year on the following scale: For a one-hour course, \$15.00; a two-hour course, \$30.00; a three-hour course, \$45.00. Payment is due at the beginning of the year.

A student vacating a room before the close of the year, or canceling a reservation at the beginning of the year, will be charged for board until the vacancy has been filled by an incoming student. Therefore, notice of intention to withdraw should be given as early as possible. No deduction is made for temporary absences during the year.

Tutoring may be arranged for by consultation with the Heads of Departments.

Faculty and students desiring to remain at the College during vacation periods will be charged for board \$12.00 per week.

Personal laundry will be done at the College at reasonable rates.

Payments must be made before the student can take her place in the class room. No exception will be made to this rule without written permission from the President.

Checks should be made payable to Pennsylvania College for Women.

No degree will be conferred and no record of credit will be given until all bills due the College by the candidate have been paid.

DIPLOMAS:

Bachelor of Arts.....	\$10.00
Master of Arts.....	15.00
Registration Fee	10.00
Laboratory Fee	10.00

(A reasonable charge is made for breakage. Advanced science course fee in proportion to material used.)

DEPARTMENT OF MUSIC

Tuition in music must always be paid in advance and is not subject to return or deduction.

Arrangements for instruction under an assistant, both as to schedule and terms may be made with the Head of the Department.

The following charges apply only to those students taking academic work in the College.
Instruction for the College year:

PIANOFORTE

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

ORGAN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

VIOLIN

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

SINGING

Two lessons a week.....	\$150.00
One lesson a week.....	80.00

For use of Pianoforte for College year.....	\$ 20.00
For use of Pipe Organ for College year.....	30.00

The following charges apply only to those students *not* taking academic work in the College.

Instruction for the College year:

PIANOFORTE

Two lessons a week.....\$180.00

One lesson a week..... 100.00

ORGAN

Two lessons a week.....\$180.00

One lesson a week..... 100.00

VIOLIN

Two lessons a week.....\$180.00

One lesson a week..... 100.00

SINGING

Two lessons a week.....\$180.00

One lesson a week..... 100.00

All lessons are thirty minutes in length.

THEORETICAL SUBJECTS

Private lessons in all theoretical subjects same price as for Piano.

Class instruction in all theoretical subjects, \$30.00 per year.

Special arrangements may be made for lessons on instruments not specified.

DEPARTMENT OF SPOKEN ENGLISH

	<i>Per Year</i>
Private lessons, twice a week.....	\$100.00
Private lessons, once a week.....	60.00

SCHOLARSHIPS

Three scholarships are open to students of ability who expect to pursue regular courses of study, but who need financial aid in meeting the necessary expenses of a college education.

Since scholarships are credited at the beginning of the second semester, students withdrawing or dismissed from college on or before the end of the first semester receive no benefits from scholarships.

1. THE HELEN E. PELLETREAU SCHOLARSHIP. A fund has been raised by the Alumnae to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved president of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Miss Rebecca Renshaw, Hotel Schenley, Pittsburgh, Pa.

2. THE MARY HAWES NEVIN SCHOLARSHIP. To fulfil a wish expressed by the late Mary Hawes Nevin, an alumna

of the Class of 1896, her family has given the sum of \$6,000 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious for the advantages of a college course.

The Helen E. Pelletreau Scholarship is awarded by the Scholarship Committee of the Alumnae Association, the Mary Hawes Nevin Scholarship by Mrs. John I. Nevin. These scholarships are granted for one year, but may be renewed upon application.

3. THE COLLOQUIUM SCHOLARSHIP. Established in 1919 by the Colloquium Club of Pittsburgh, to promote and maintain the interest of the Club in the growth of the College. The scholarship is awarded on recommendation of the Scholarship Committee of the Colloquium Club.

RELIGIOUS LIFE

The College is thoroughly Christian in spirit and influence, but undenominational in its management and instruction. Students are required to be present at the daily chapel service, and resident students to be regular attendants at the church of their choice on Sunday mornings and at the Sunday vesper services in Berry Hall.

SOCIAL LIFE

The College emphasizes social life, as an essential part of a liberal education. The Public Occasions Committee supervises all plans for entertainments and other social activities. Day students share with resident students in the

enjoyment of social events. The traditional college celebrations are those of Color Day, Hallowe'en, Christmas, the Mid-year Dance, St. Valentine's Day, May Day and the Senior Play.

The Young Women's Christian Association gives a reception to new students at the beginning of the year. Class entertainments, recitals of the departments of Music and Spoken English, and many informal events throughout the year contribute to a pleasant social atmosphere.

STUDENT ACTIVITIES

The Student Government Association is organized to control such matters of college interest and discipline as have been delegated to it by the faculty.

The Young Women's Christian Association holds weekly prayer meetings and organizes Bible and mission study classes. The Association contributes to philanthropic and missionary work at home and abroad. Delegates are sent to the annual conventions and an active part is taken in all work looking toward the strengthening of the religious forces of the institution.

The Pennsylvanian, the College year book, is published every other year by the Junior and Senior classes combined. It is a summary of student activities and student life.

The Sorosis, the College magazine, is published by the students and presents the varied interests of the College.

The Omega Society has a membership chosen with respect to scholarship and literary ability. Its work is the

promotion of an interest in literature and the providing of opportunities for practice in the art of expression. The society holds occasional open meetings for the presentation of special programs.

The College Musical Club is open to all students of music and members of musical organizations. Monthly meetings are held at which programs of vocal and instrumental music are presented, with papers and discussions.

The Dramatic Club has for its work the critical study of pieces of dramatic literature as a means of personal culture and the occasional presentation of carefully selected plays. The principal event of the Club year is the production of Senior dramatics. "Alice in Wonderland" was given in 1920.

The Athletic Association affords the students of the college an opportunity to play basketball, tennis and all out-door games. Arrangements for swimming have been made at the Central Young Women's Christian Association.

The Glee Club furnishes an excellent opportunity for training in voice. The club responds to many calls for its service at college affairs and occasionally in the city. This organization has an enthusiastic membership and its work is much valued in college life.

The Mandolin Club is open to students who play the mandolin or guitar. With the Glee Club it gives annual concerts, and assists at college functions and other entertainments.

Phi Pi was organized to create a more alert interest in the classics by discussing topics for which there is not time

in the regular class room work, by presenting Greek and Latin plays, tableaux, or other attractive programs and by keeping the members informed on current literature bearing on the study of Latin and Greek.

The Chemistry Club was organized for the study of present day problems in Science. Membership is open to advanced students.

The "Cercle Francais" is open only to students of advanced standing in the French department. It has been organized to promote a greater interest in conversational French. Monthly meetings are held, at which one act plays and attractive programs are presented. The members are also eligible to the Alliance Francaise of Pittsburgh.

The International Relations Club has for its object the creation of a more intelligent interest in international affairs. Its members are chosen from the advanced students in the Department of History.

VOCATIONAL ASSISTANCE

Every assistance will be rendered to the members of the graduating class and alumnae in securing teaching or other positions.

ALUMNAE ASSOCIATION

The Association has its headquarters at the College and holds its annual meeting in the Assembly Hall on the Friday preceding Commencement day. It publishes annually the *Alumnae Recorder*, containing a list of graduates, and many items of interest concerning alumnae and former students.

The officers of the Association for the year 1920-1921 are:

President.....Mrs. Bessie Johnson McGinnity, '07
Vice-President.....Mrs. Harriet Duff Phillips, '03
Recording Secretary.....Mrs. Mabel Crowe Baird, '11
Corresponding Secretary.....Miss Emily Kates, '18
Treasurer.....Mrs. Helen Steele Truxal, '16

The Association is fully in sympathy with college plans and purposes and manifests its feeling in very practical ways. Three clubs of recent alumnae have been organized, members of the classes from 1891 to 1901 forming Decade Club I, graduates from 1901 to 1911 Decade Club II, and graduates from 1911 to 1921 Decade Club III.

THE CORA HELEN COOLIDGE CLUB FOR SOCIAL SERVICE

This is an organization made up of graduates of the department of Social Service and of advanced students who are candidates for the certificate in Social Service. The meetings of the Club are held bi-monthly at the College.

Degrees Conferred in 1920

BACHELOR OF ARTS

Armstrong, Margaret Imogene	<i>Vandergrift</i>
Aspinwall, Julia Virginia	<i>Pittsburgh</i>
Bardsley, Eleanor Marshall	<i>Bridgeville</i>
Black, Winifred Johnston	<i>Pittsburgh</i>
Caughey, Catharine Bell	<i>Pittsburgh</i>
Crane, Willard	<i>Terra Alta, W. Va.</i>
Criste, Rita Agnes	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Faddis, Edna	<i>Waynesburg</i>
Fleming, Elizabeth Windber	<i>Greensburg</i>
Fournier, Gladys Margaret	<i>Beaver</i>
Graham, Clara Williams	<i>Pittsburgh</i>
Hare, Margaret Chalfant	<i>Pittsburgh</i>
Herron, Mary Elsie	<i>Washington</i>
Horix, Helen Gertrude	<i>Pittsburgh</i>
Jamison, Mary Elizabeth	<i>McKeesport</i>
McFarland, Katharine Russell	<i>Pittsburgh</i>
Moore, Margaret Catherine Loughrey	<i>Pittsburgh</i>
Newell, Elinor	<i>Crafton</i>
Perry, Ethel Lois	<i>Pittsburgh</i>
Shipley, Elizabeth Hewitt	<i>Pittsburgh</i>
Stevenson, Mary Luella	<i>West Newton</i>
Trimble, Eleanor Downs	<i>Bellevue</i>
Wilcox, Virginia Elizabeth	<i>Wilksburg</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>

Certificates Granted in 1920

SOCIAL SERVICE

Caughey, Catharine Bell	<i>Pittsburgh</i>
Davidson, Elizabeth Belle	<i>Pittsburgh</i>
Jamison, Mary Elizabeth	<i>McKeesport</i>
Newell, Elinor	<i>Crafton</i>
Wilson, Gladys Margaret	<i>Saltsburg</i>
Goldberg, Anne	<i>Pittsburgh</i>

MUSIC

Crane, Willard	<i>Terra Alta, W. Va.</i>
----------------	---------------------------

SPOKEN ENGLISH

Hesselgesser, Helen Naomi	<i>Freeport</i>
---------------------------	-----------------

Students in 1920-1921

GRADUATE STUDENTS

Farr, Florence Marguerite, A. B., Pennsylvania College for
Women, *Music*

SENIORS

Andrew, Ada Lou	<i>Deer Lick</i>
Biles, Margaret Ellen	<i>Pittsburgh</i>
Collier, Marcella Irene	<i>Flint, Mich.</i>
Crouse, Miriam LeFevre	<i>Sharpsburg</i>
Espy, Stella Elizabeth	<i>Pittsburgh</i>
Farr, Lois Marjorie	<i>Pittsburgh</i>
Fast, Florence Manila	<i>Fairchance</i>
Frederick, Frances Atwell	<i>Pittsburgh</i>
Geary, Marcella Catherine	<i>Wilkinsburg</i>
Gilfillan, Margaret Boyd	<i>Bridgetown</i>
Honsaker, Marion Edith	<i>Masontown</i>
Koehler, Hazel Curry	<i>Donora</i>
Levy, Besse	<i>Pittsburgh</i>
Long, Helen Lucile	<i>Wilkinsburg</i>
Ludwick, Frances Willard	<i>Oakmont</i>
McKee, Myra Marie	<i>Nineveh</i>
Martin, Ella Ferguson	<i>Pittsburgh</i>
Montgomery, Emma Louise	<i>Pitcairn</i>
Murphy, Elisabeth	<i>Vandergrift</i>
Pew, Edith	<i>Wilkinsburg</i>
Reed, Mary Elizabeth	<i>Latrobe</i>
Russell, Mary Byrd	<i>Fredericksburg, Va.</i>
Shaffer, Mabel Berthea	<i>Kittanning</i>
Sprohls, Mary Elizabeth	<i>Donora</i>
Sullivan, Gladys Marguerite	<i>McKeesport</i>
Sumpter, Caroline Elizabeth	<i>Fairmont, W. Va.</i>
Treloar, Helen Margaret	<i>Homestead</i>
Wills, Margaret Rachel	<i>Belleville</i>
Wilson, Bell McMaster	<i>Pittsburgh</i>

JUNIORS

Allison, Helen Ruth	<i>Chester, W. Va.</i>
Barnes, Margaret May	<i>Springdale</i>
Berryman, Margaret	<i>Charlottesville</i>
Boots, Betty Dean	<i>Pittsburgh</i>
Brown, Margaret K.	<i>Pittsburgh</i>
Brownlee, Martha Ashton	<i>West Middletown</i>
Burleigh, Dorothy	<i>Pittsburgh</i>
Carter, Catherine Julia	<i>Uhrichsville, O.</i>
Caskey, Marjorie Livingston	<i>Brooklawn, N. J.</i>
Connelly, Bonnalyn Isabelle	<i>Ludlow</i>
Coggins, Virginia	<i>Bellevue</i>
Davis, Leah Anna	<i>Homestead</i>
Donehoo, Laura Belle	<i>Washington</i>
Dulany, Mary Jane	<i>McKeesport</i>
Eisaman, Dorothy Lucetta	<i>Swissvale</i>
Foster, Elizabeth Bell	<i>Pittsburgh</i>
Gorzo, Rose P.	<i>McKeesport</i>
Gray, Margaret Gourley	<i>Coshocton, O.</i>
Greves, Sarah B.	<i>New Alexandria</i>
Gross, Helen Julia	<i>Pittsburgh</i>
Hamm, Julia	<i>Knox</i>
Hay, Grace McKinley	<i>Wilkinsburg</i>
Held, Emma M.	<i>Pittsburgh</i>
Hill, Harriet Templeton	<i>Pittsburgh</i>
Jay, Anne Elizabeth	<i>New Kensington</i>
Keck, Helen Ruth	<i>Greensburg</i>
MacLaughlin, Mary Emma	<i>Pittsburgh</i>
Miller, Sarah A.	<i>Pittsburgh</i>
Newmaker, Florence Isabel	<i>Warren</i>
Scott, Susan Helen	<i>Pittsburgh</i>
Solomon, Florence E.	<i>Pittsburgh</i>
Taylor, Katherine Jane	<i>Washington</i>
Wilson, Elizabeth Stewart	<i>Pittsburgh</i>

SOPHOMORES

Ainsworth, Mary Frances	<i>Wilmerding</i>
Barker, Harriet	<i>Pittsburgh</i>
Bowers, Harriette Weaver	<i>Vandergrift</i>
Bradshaw, Margaret Gertrude	<i>Edgewood</i>
Brown, Helen B.	<i>Pittsburgh</i>
Brown, Mary Elizabeth	<i>Pittsburgh</i>
Bumgarner, Jean Boyd	<i>Natrona</i>
Byron, Eva Petrea	<i>Mahaffey</i>
Clyde, Lillian Wylie	<i>McKees Rocks</i>
Clyde, Mildred May	<i>McKees Rocks</i>
Davis, Goldie Lillian	<i>Toledo, O.</i>
Dickey, Josephine Savilla	<i>Pittsburgh</i>
Foster, Margaret Alice	<i>Franklin</i>
Gribble, Sophie Worrell	<i>South Brownsville</i>
Hamilton, Lyda Evelyn	<i>Parnassus</i>
Hanau, Margaret	<i>Washington</i>
Holmes, Mary K.	<i>Edgewood</i>
Jobson, Marian Eleanor	<i>Franklin</i>
Kiskaddon, Anna Hathaway	<i>Freeport</i>
Kress, Justine Fronheiser	<i>Wilkinsburg</i>
Leopold, Mary Lucy	<i>Pittsburgh</i>
Leslie, Mary Martha	<i>Pittsburgh</i>
Limber, Louise	<i>Franklin</i>
Lindley, Leola Josephine	<i>Dunn's Station</i>
McCormick, Dorothy Estelle	<i>Carrick</i>
McFarland, Helen Gertrude	<i>Oakdale</i>
McGormley, Myra M.	<i>Maumee, O.</i>
McKibbin, Martha Rankin	<i>Pittsburgh</i>
McRoberts, Margaret Mary	<i>Sharpsburg</i>
Moffett, Marion Annette	<i>Franklin</i>
Ohle, Marie Porter	<i>Ben Avon Heights</i>
Patterson, Marjorie Smith	<i>Washington</i>
Peterson, Eliza Anne	<i>Ligonier</i>
Rolfe, Frances Arlina	<i>Homestead</i>
Sapper, Helen Elizabeth	<i>Uniontown</i>
Stevenson, Virginia Fairfax	<i>Crafton</i>
Titzell, Carolyn Woodward	<i>Kittanning</i>
Troupe, Dorothy E.	<i>Pittsburgh</i>

SOPHOMORES

Vance, Margaret U.

Pittsburgh

Wally, Georgia Alverna

Etna

Wilds, Edith May

New Kensington

Wilson, Josephine

Kittanning

FRESHMEN

Arnfeld, Marion	<i>Pittsburgh</i>
Baxter, Ruth Carolyn	<i>New Kensington</i>
Blank, Katharine Virginia	<i>Pittsburgh</i>
Brachman, Lillian	<i>Marietta, O.</i>
Church, Grace Mildred	<i>Turtle Creek</i>
Cohen, Rose Lauday	<i>Washington</i>
Coit, Barbara Kilburn	<i>Crafton</i>
Cowan, Elizabeth	<i>Mt. Pleasant</i>
Davis, Grace	<i>Uniontown</i>
Dreifus, Louise	<i>Pittsburgh</i>
Errett, Helen Gladys	<i>Carnegie</i>
Fitzgerald, Adelaide Patricia	<i>Pittsburgh</i>
Frederick, Elizabeth	<i>Pittsburgh</i>
Gelbach, Mary Louise	<i>Ellwood City</i>
Glandon, Martha Eleanore	<i>Pittsfield, Ill.</i>
Goldberg, Elsie	<i>Pittsburgh</i>
Gress, La Rue Ernestine	<i>Edgewood</i>
Griggs, Marion T.	<i>Pittsburgh</i>
Hamilton, Louise Lowrie	<i>Washington</i>
Hibbs, Wilbur Lilley	<i>Brownsville</i>
Humbert, Catherine Edith	<i>Wilkinsburg</i>
Jay, Florence Ethel	<i>New Kensington</i>
Judy, Hellen Gougar	<i>Ft. Thomas, Ky.</i>
Keck, Olive Ursula	<i>Greensburg</i>
Lahm, Laura Mae	<i>Star Junction</i>
Lawson, Clara S.	<i>Ben Avon</i>
Lohr, Nelle Carolyn	<i>Latrobe</i>
Lohr, Isabelle Marie	<i>Latrobe</i>
McBride, Grace Frances	<i>Crafton</i>
McIlvaine, Helene	<i>Library</i>
Main, Agnes Elizabeth	<i>Pittsburgh</i>
Marks, Mary A.	<i>Findlay, O.</i>
Mason, Frances Elizabeth	<i>Ashland, O.</i>
Miller, Emma Isabelle	<i>Latrobe</i>
Miller, Esther	<i>Donora</i>
Moeser, Marcia	<i>Bellevue</i>
Montgomery, Martha Hamilton	<i>Pittsburgh</i>

FRESHMEN

Nieman, Leah	<i>Millheim</i>
Nieman, Miriam	<i>Millheim</i>
Orr, Anna Mary	<i>Pittsburgh</i>
Payor, Margaret Rose	<i>Cresson</i>
Priddy, Elizabeth Roberts	<i>Findlay, O.</i>
Pyle, Mary Mechling	<i>Swissvale</i>
Reed, Helen Maria	<i>Donora</i>
Ryman, Helen Emeline	<i>Pittsburgh</i>
Schein, Thelma Marie	<i>Homestead</i>
Shero, Livia Francis	<i>Greensburg</i>
Smith, Helen Boyd	<i>Latrobe</i>
Southard, Helen DeFrees	<i>Pittsburgh</i>
Stewart, Marion Louise	<i>Coal Glen</i>
Strouse, Helen Fahnestock	<i>Latrobe</i>
Taylor, Marian Clemens	<i>Homestead</i>
Tobias, Leah	<i>Pittsburgh</i>
Vowinckel, Eleanor	<i>Clarion</i>
Wagenfehr, Stella Elizabeth	<i>Leetonia, O</i>
Williams, Clara M. L.	<i>Edgewood</i>
Wilson, Mary Rutledge	<i>Pittsburgh</i>
Wintner, Pearl Hope	<i>Pittsburgh</i>

UNCLASSIFIED STUDENTS

Candidates for certificates, or for classification as regular students, who are carrying twelve hours or more in college classes:

Ames, Mary E.
Beren, Ella Marie
Boffey, Mildred Louise
Boggess, Beulah Barnes
Caughey, Marjorie J.
Connelly, Ina Marie
Dunbar, Mary Logan
Garner, Marjorie
Goldberg, Edna Lenore
McKinney, Mary
Malfare, Therese Clara
Mason, Elizabeth Holbrook
Murray, Lorraine Frances
Pregler, Hedwig
Rainey, Marion McGinley
Roberts, Margaret Scott
Silverman, Lillian
Slocum, Marion Eleanor
Snyder, Eva Pearl
Waters, Dorothy Elizabeth
Wilson, Madeline Elizabeth
Wolff, Margaret Ross

Berkeley, Cal.
Parkersburg, W. Va.
Pittsburgh
Shinnston, W. Va.
Pittsburgh
Ludlow
Old Concord
Pittsburgh
Pittsburgh
Pittsburgh
Johnsonburg
Pittsburgh
Swissvale
Pittsburgh
Bellevue
Pittsburgh
New Kensington
Ellwood City
Erie
Pittsburgh
Pittsburgh
Pittsburgh

SPECIAL STUDENTS

Jefferson, Mabel Louise	<i>Aspinwall</i>
LaRoss, Rosina Moorhead	<i>MacDonald</i>
Leggett, Helen	<i>Pittsburgh</i>
Macleod, Jean Morrison	<i>Edgewood</i>
Rankin, Ruth	<i>Pittsburgh</i>
Rose, Lillian Henry	<i>Sewickley</i>
Ruben, Anna	<i>Pittsburgh</i>
Thompson, Anna Virginia	<i>Bellevue</i>
Whitley, Mildred Morrison	<i>Martin's Ferry, O.</i>

MUSIC STUDENTS

Ainsworth, Mary Frances	<i>Wilmerding</i>
Baxter, Ruth Carolyn	<i>New Kensington</i>
Beren, Ella Marie	<i>Parkersburg, W. Va.</i>
Boffey, Mildred Louise	<i>Pittsburgh</i>
Bogges, Beulah Barnes	<i>Shinnston, W. Va.</i>
Bowers, Hariette Weaver	<i>Vandergrift</i>
Brachman, Lillian	<i>Marietta, O.</i>
Burleigh, Dorothy	<i>Pittsburgh</i>
Caskey, Marjorie Livingston	<i>Brooklawn, N. J.</i>
Clarke, Harriet	<i>Pittsburgh</i>
Cohen, Rose Lauday	<i>Washington</i>
Connelly, Bonnalyn Isabelle	<i>Ludlow</i>
Connelly, Ina Marie	<i>Ludlow</i>
Datz, Helen	<i>Pittsburgh</i>
Davis, Leah Anna	<i>Homestead</i>
Dickey, Josephine Savilla	<i>Pittsburgh</i>
Eisaman, Dorothy Lucetta	<i>Swissvale</i>
Errett, Helen Gladys	<i>Carnegie</i>
Farr, Florence Marguerite	<i>Pittsburgh</i>
Farr, Lois Marjorie	<i>Pittsburgh</i>
Forsyth, Gail	<i>Pittsburgh</i>
Glandon, Martha Eleanore	<i>Pittsfield, Ill.</i>
Goodale, Priscilla	<i>Pittsburgh</i>
Greves, Sarah B.	<i>New Alexandria</i>
Gross, Alice	<i>Pittsburgh</i>
Hanau, Margaret	<i>Washington</i>
Held, Emma M.	<i>Pittsburgh</i>
Held, Henrietta	<i>Pittsburgh</i>
Jefferson, Mabel Louise	<i>Aspinwall</i>
Lahm, Laura Mae	<i>Star Junction</i>
Lawson, Clara S.	<i>Ben Avon</i>
Leggett, Helen	<i>Pittsburgh</i>
Ludwick, Frances Willard	<i>Oakmont</i>
McBride, Grace Frances	<i>Crafton</i>
Marks, Mary A.	<i>Findlay, O.</i>
Marks, Mary Helen	<i>Pittsburgh</i>
Miller, Esther	<i>Donora</i>
Murray, Lorraine Frances	<i>Swissvale</i>
Pew, Edith	<i>Wilkinsburg</i>

MUSIC STUDENTS—(Continued)

Pregler, Hedwig	<i>Pittsburgh</i>
Pyle, Mary Mechling	<i>Swissvale</i>
Rainey, Marion McGinley	<i>Bellevue</i>
Reed, Helen Maria	<i>Donora</i>
Reed, Mary Elizabeth	<i>Latrobe</i>
Rosenberger, Dora	<i>Pittsburgh</i>
Ruben, Anna	<i>Pittsburgh</i>
Sapper, Helen Elizabeth	<i>Uniontown</i>
Silverman, Lillian	<i>New Kensington</i>
Slocum, Marion Eleanor	<i>Ellwood City</i>
Smith, Helen Boyd	<i>Latrobe</i>
Southard, Helen DeFrees	<i>Pittsburgh</i>
Sprowls, Mary Elizabeth	<i>Donora</i>
Stewart, Marion Louise	<i>Coal Glen</i>
Wilson, Elizabeth	<i>Kittanning</i>
Wilson, Madeline Elizabeth	<i>Pittsburgh</i>

SUMMARY OF ENROLLMENT OF STUDENTS

Seniors	29
Juniors	33
Sophomores	42
Freshmen	58
Unclassified	22
Specials	9
Music (not taking any academic work)	10
Total number of students in all departments.....	203

INDEX

Administrative Officers.....	5
Admission of Students.....	11
To Advanced Standing.....	23
To Freshman Class.....	12
To Special Courses.....	24
Alumnæ Association.....	81
Attendance.....	67
Buildings.....	70
Calendar.....	3
Certificate Courses.....	24
Music.....	55
Social Service.....	30
Spoken English.....	63
Certificates granted in 1920.....	84
Conditions.....	68
Correspondence.....	9
Courses of Instruction.....	27
Art.....	24
Astronomy.....	46
Biblical Literature.....	27
Biology.....	27
Chemistry.....	28
Economics.....	28
Education.....	31
English.....	32
French.....	35
German.....	37
Greek.....	38
History.....	40
Italian.....	42
Latin.....	42
Mathematics.....	44
Music.....	47
Philosophy.....	59
Physical Education.....	56
Physics.....	57
Political Science.....	41
Psychology.....	59
Social Service.....	29
Sociology.....	29

INDEX—Continued

Spanish.....	60
Spoken English.....	61
Curriculum Schedule.....	26
Degrees Conferred in 1920.....	83
Elective Work.....	66
Examinations.....	67
Executive Officers.....	5
Expenses.....	73
Faculty.....	5
Foundation.....	10
Grades.....	68
Graduate Work.....	25
Lecturers and Vesper Speakers.....	64
Library.....	71
Payments.....	73
Regulations for Students.....	66
Religious and Social Life.....	78
Requirements.....	
Entrance.....	12
Certificate Courses.....	24
Graduation.....	66
Special Students.....	68
Residence.....	72
Rooms, Application for.....	11
Scholarships.....	77
Situation.....	70
Students in 1920-1921.....	85
Student Activities.....	79
Trustees.....	4
Vocational Assistance.....	81
Withdrawal.....	12, 74









